TITLE: Adaptive Radio Transceiver With Polyphase Calibration
INVENTOR: Stephen Wu et al.
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

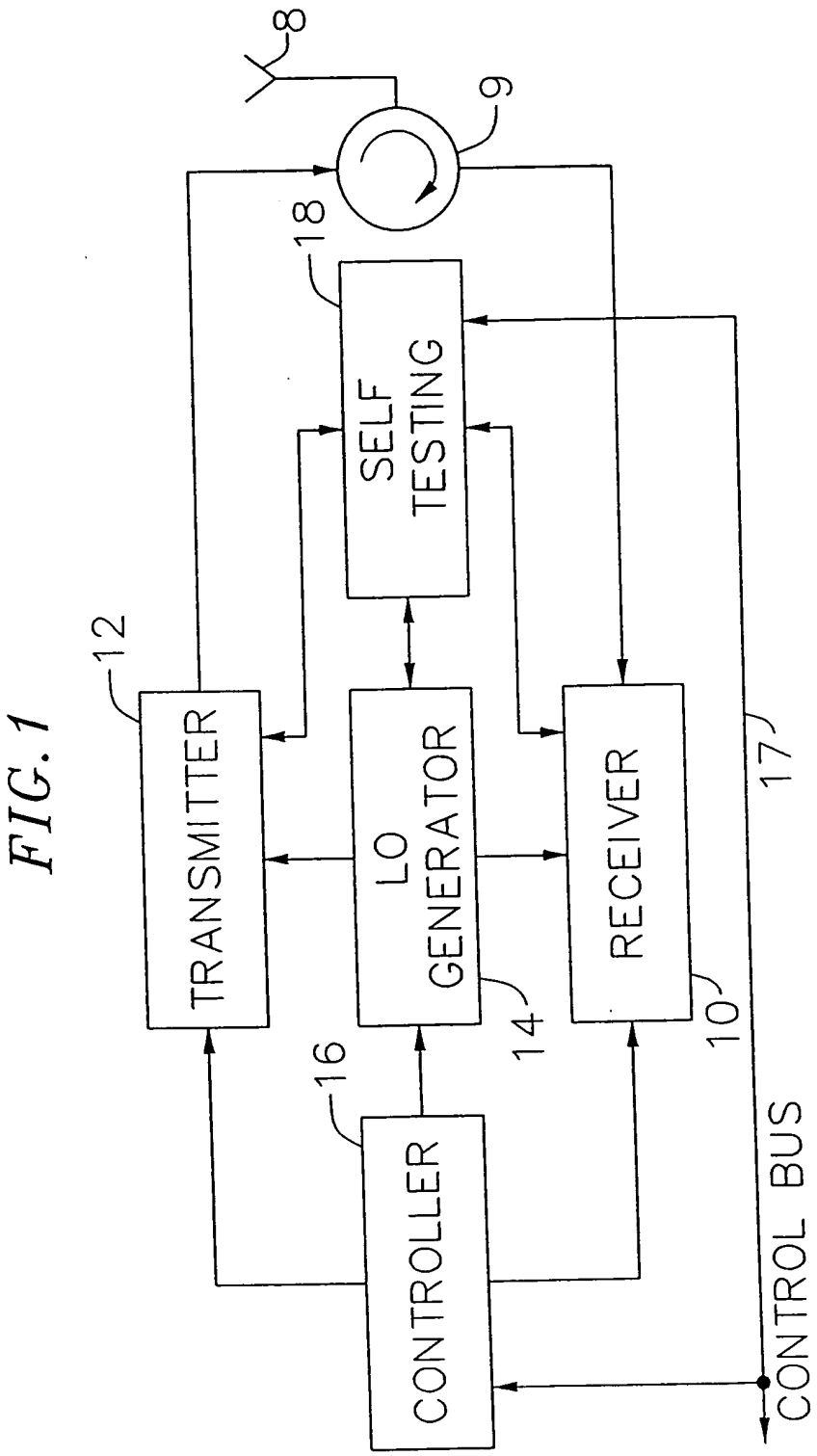

FIG. 1

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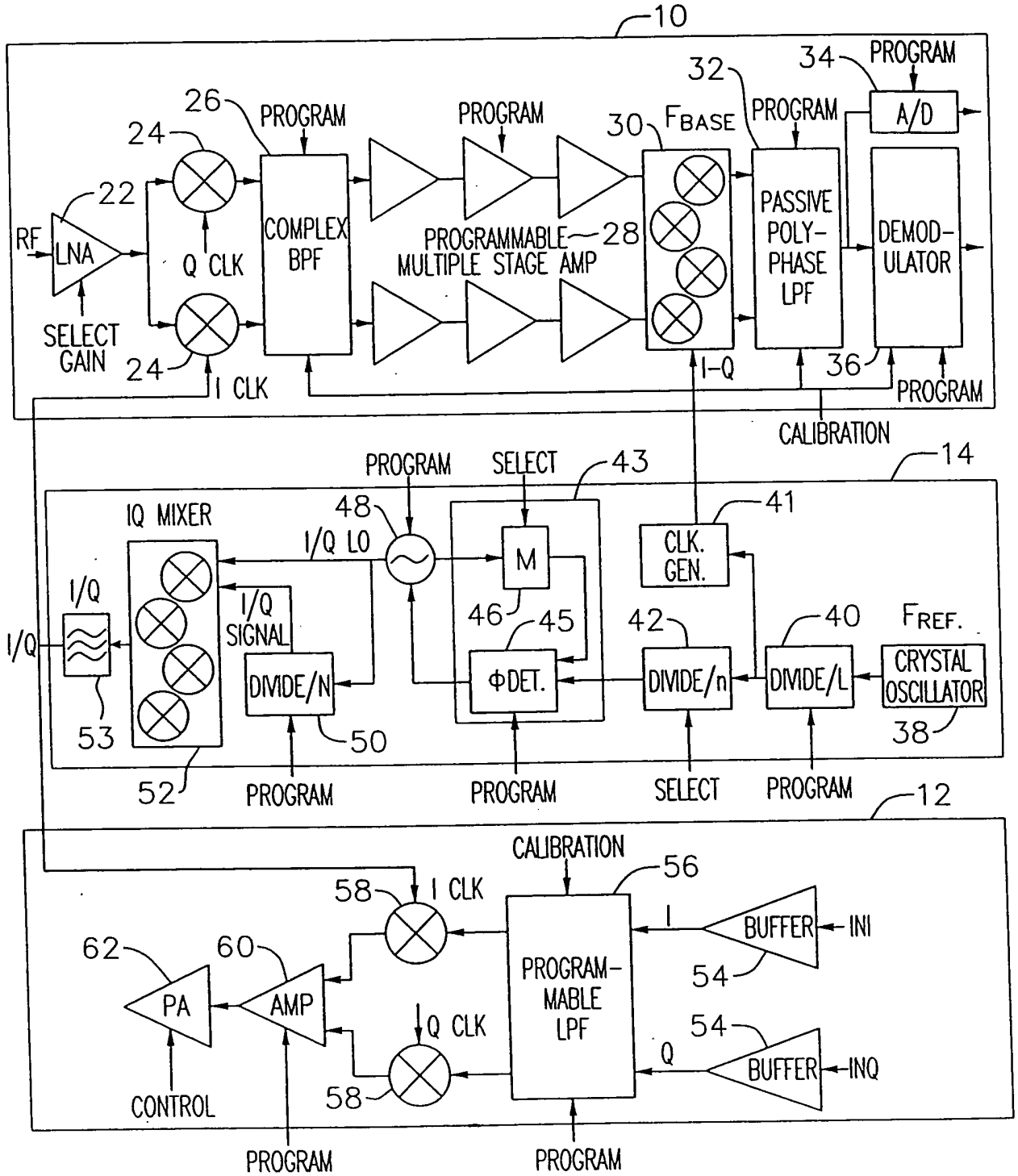
FIG.2



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CONF. NO. 7167; DOCKET NO. 15266US01
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FIG. 3

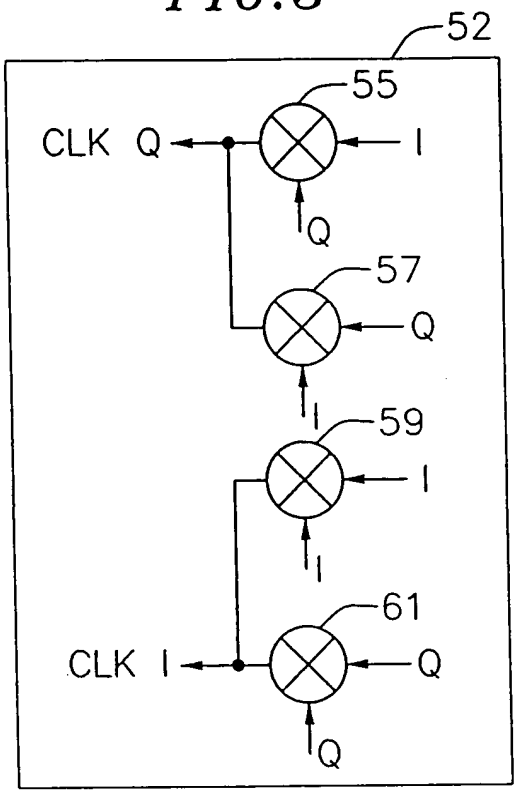

FIG. 4

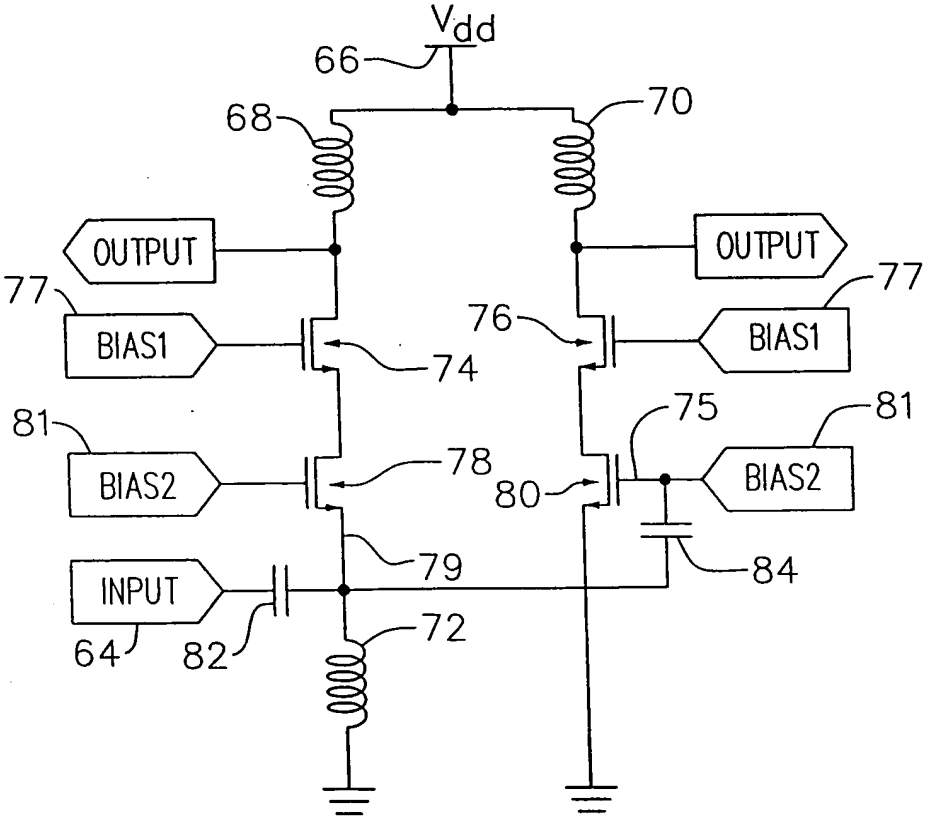

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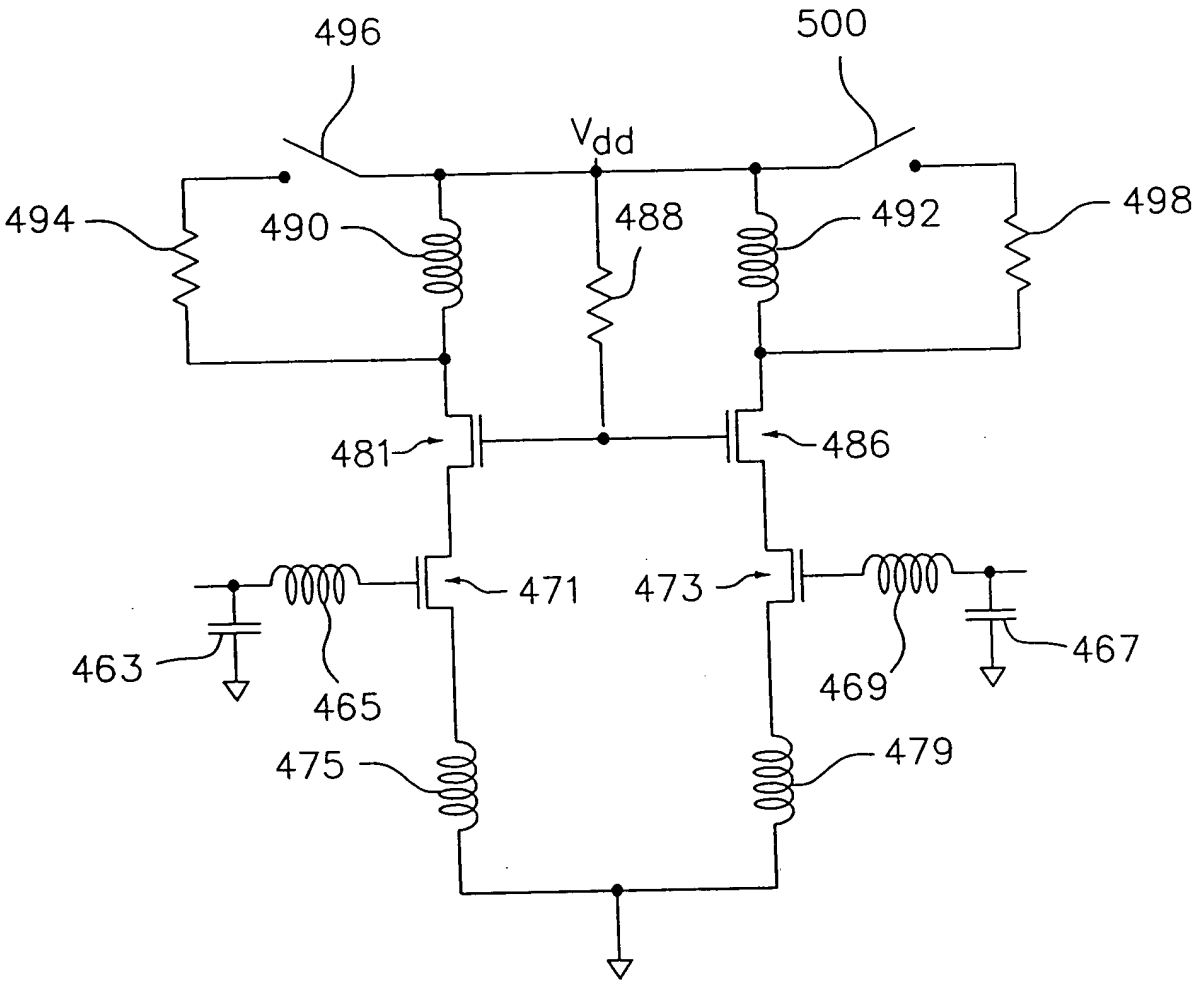
FIG.4(α)



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APPLICATION NO.: 09/692,654,
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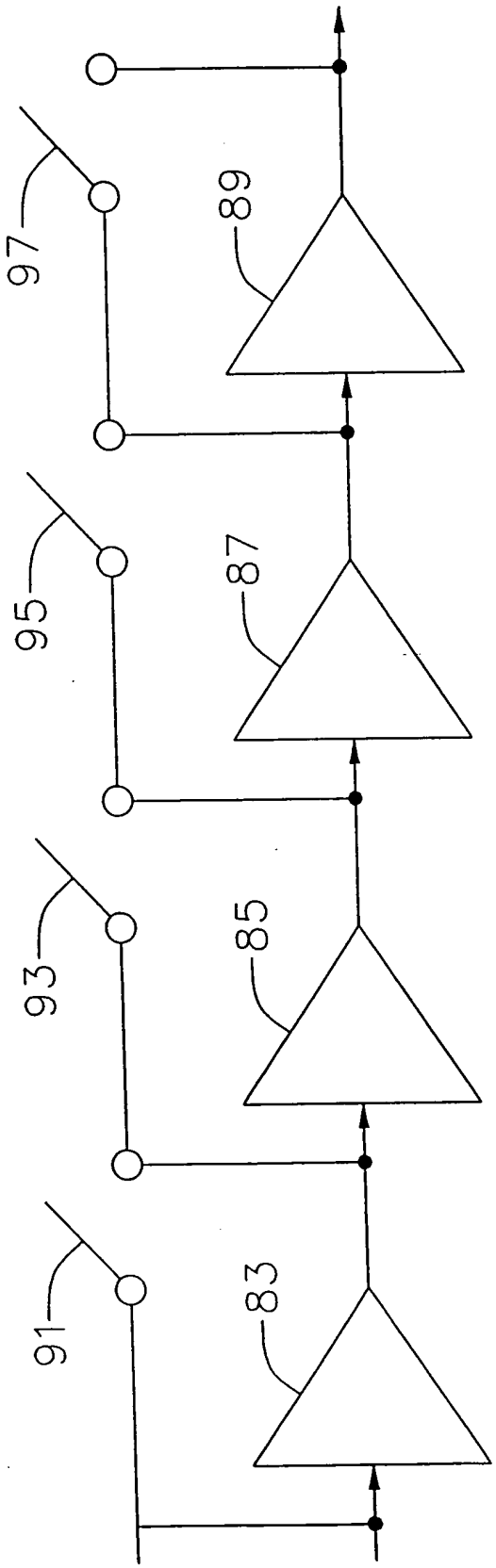

FIG. 5

TITLE: Adaptive Radio Transceiver With Polyphase Calibration
INVENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

FIG. 6

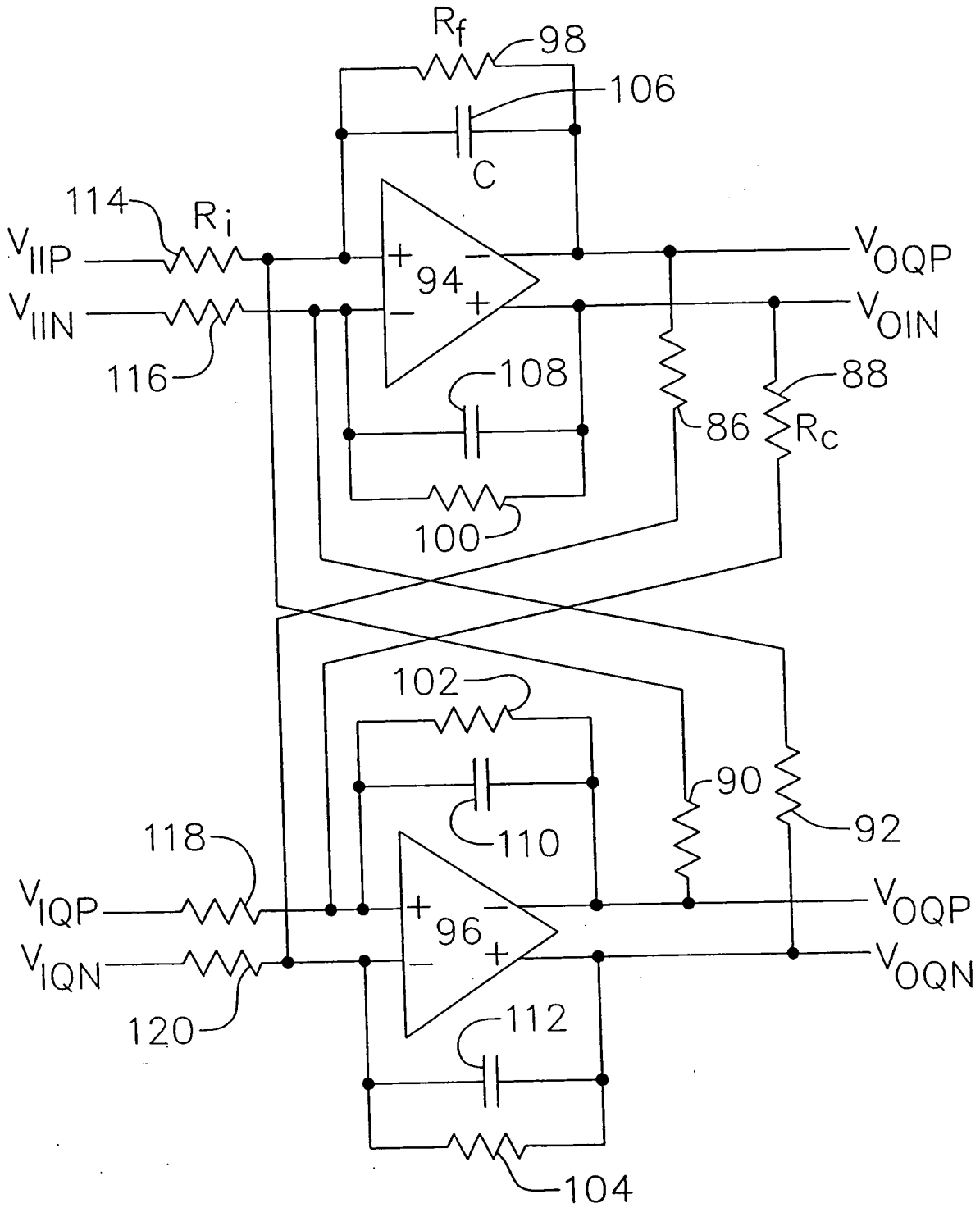

FIG.7

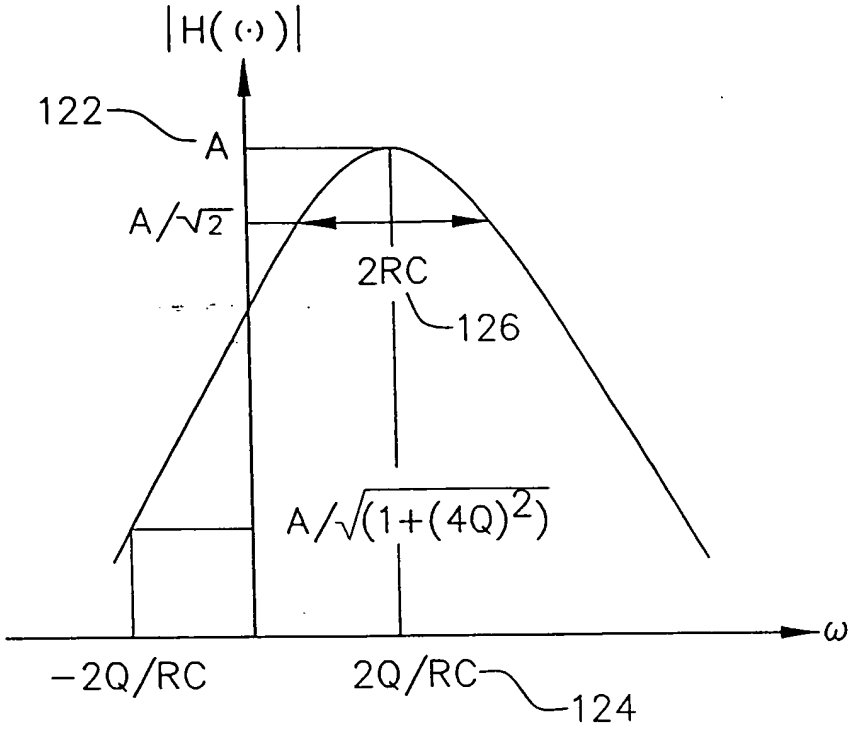

FIG.8

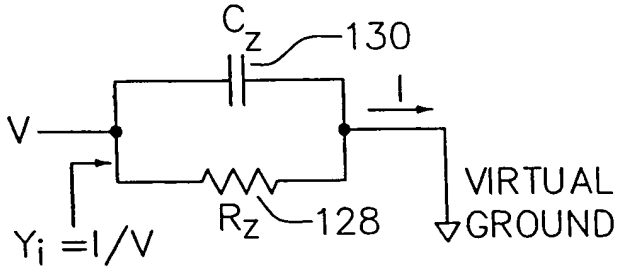

FIG.9

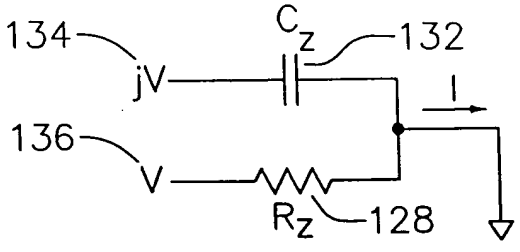

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FIG. 10

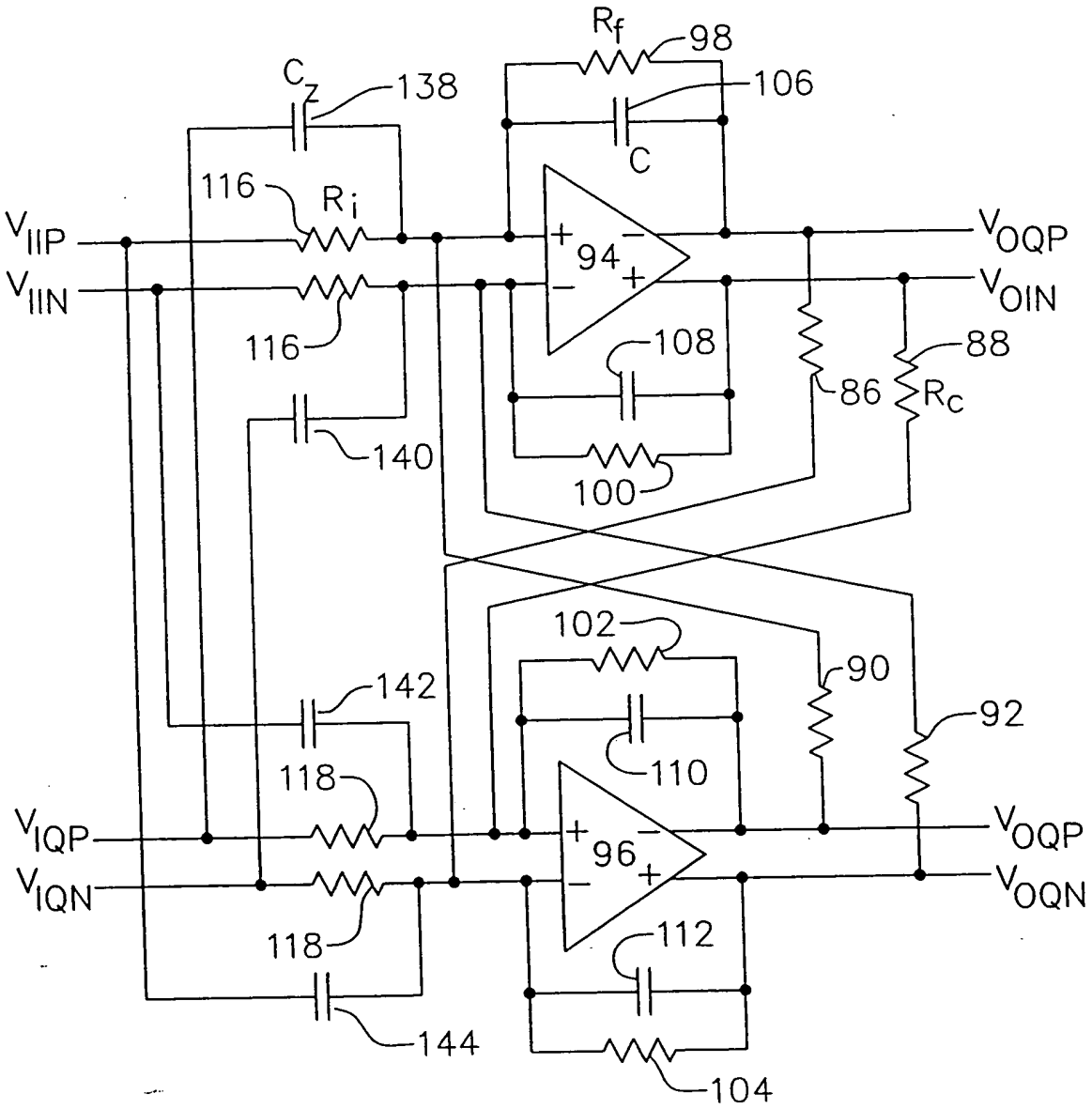

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FIG. 11

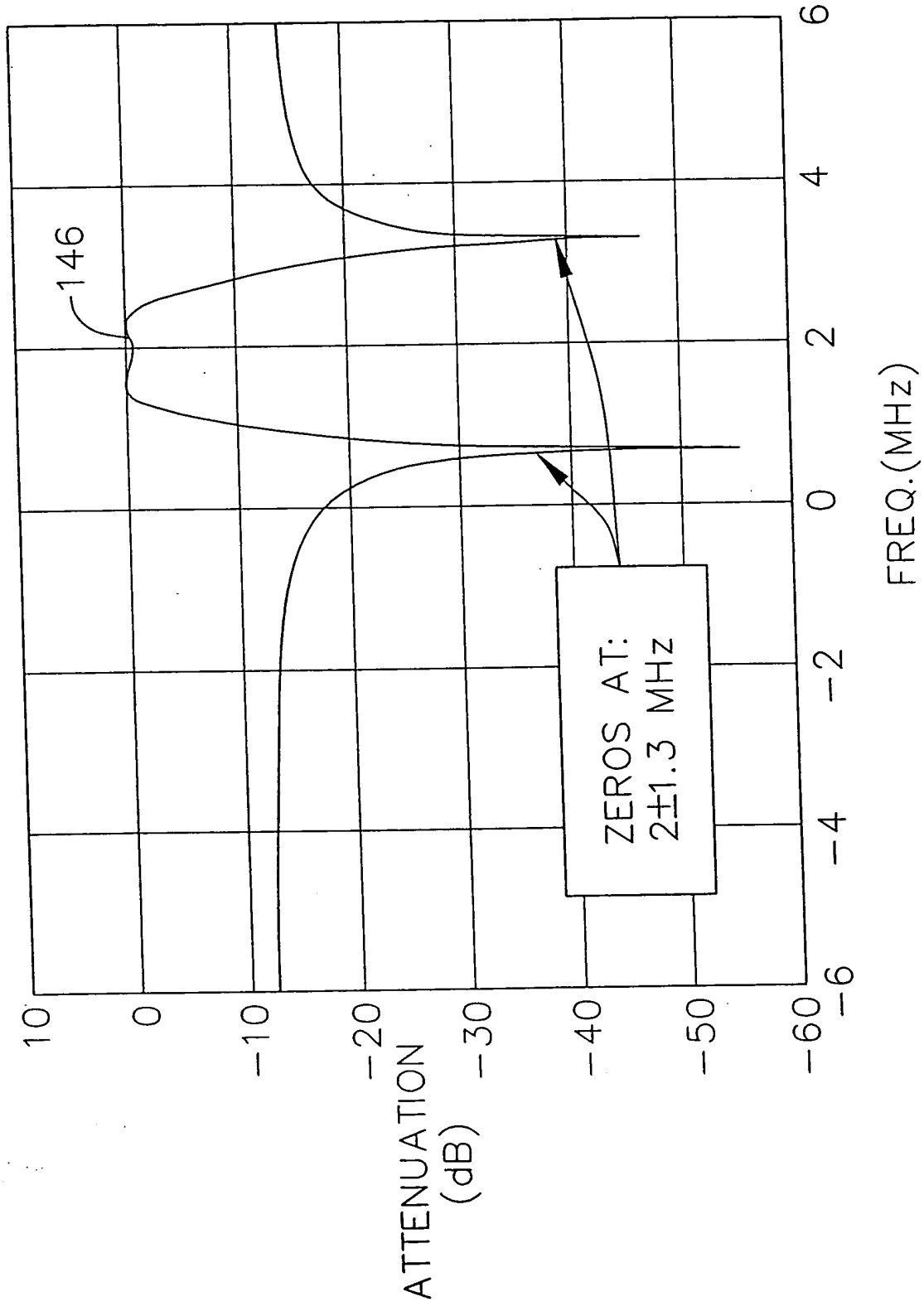

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FIG. 12(a)

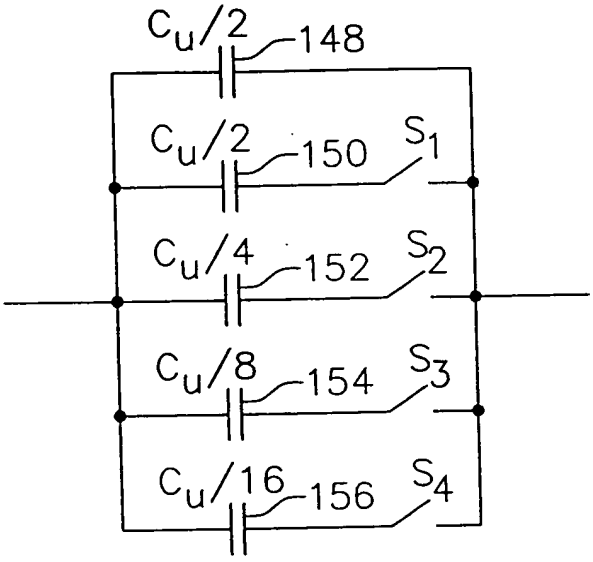
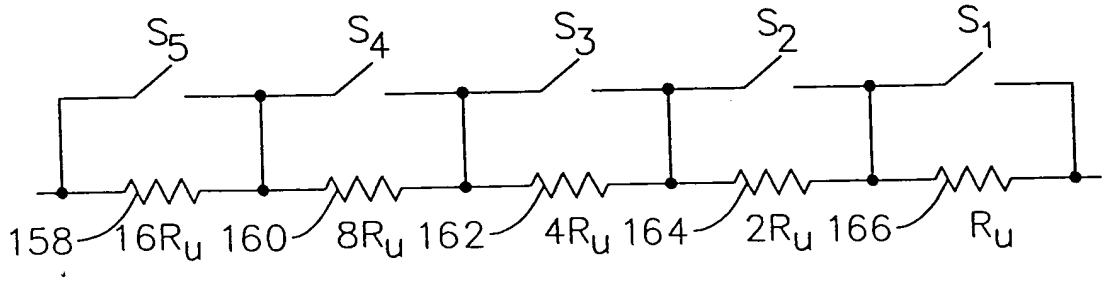


FIG. 12(b)



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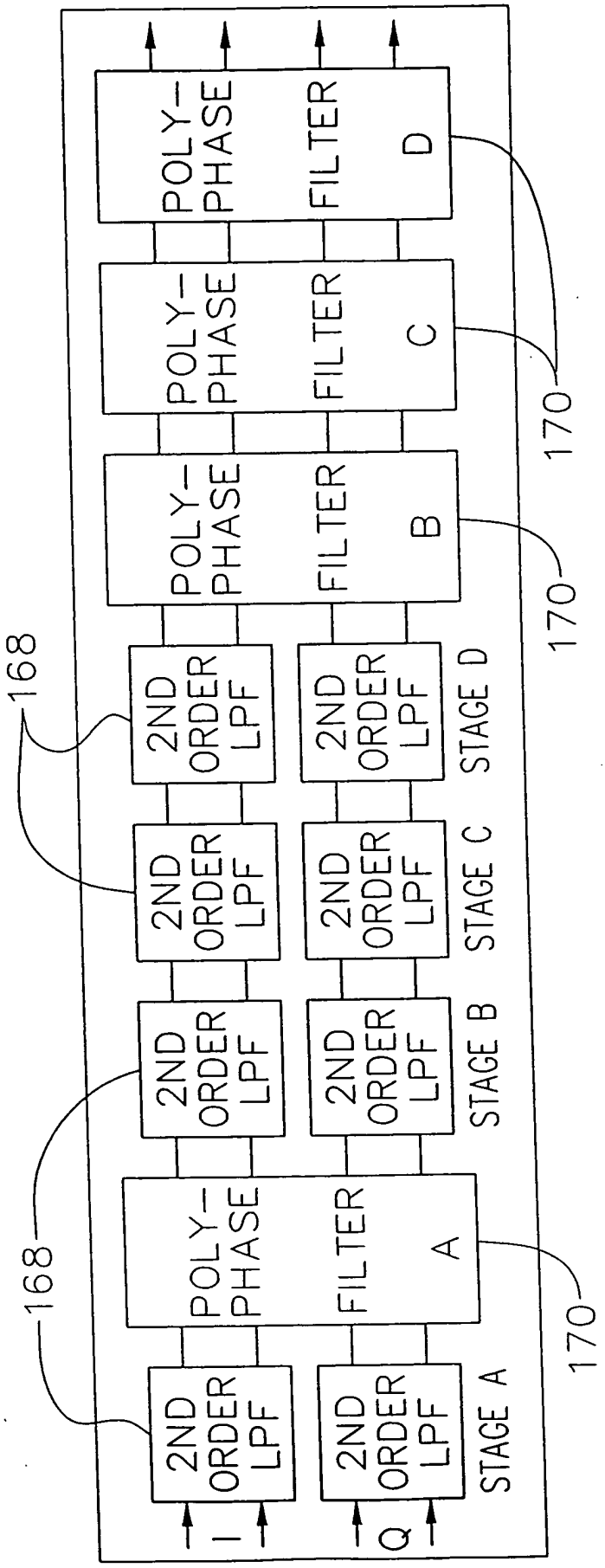

FIG. 13

TITLE: Adaptive Radio Transceiver With Polyphase Ca[illegible]on
INV[illegible]TOR: Stephen Wu et al
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ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

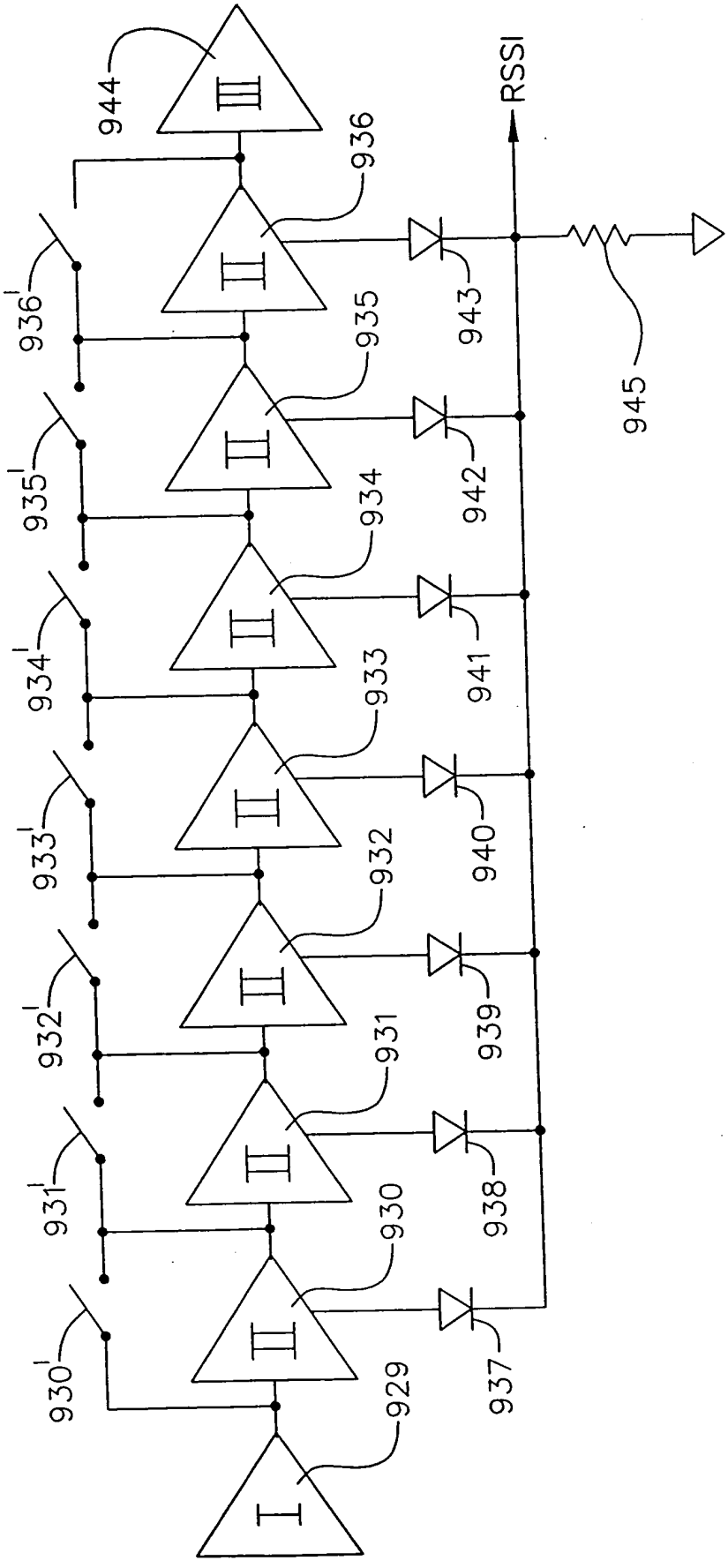

FIG. 14

TITLE: Adaptive Radio Transceiver With Polyphase
[redacted]bration
INVENTOR: Stephen Wu et al
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FIG. 15

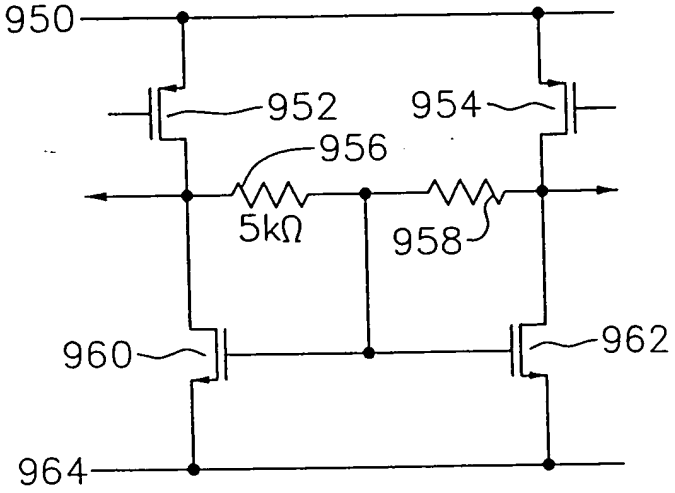

FIG. 16(a)

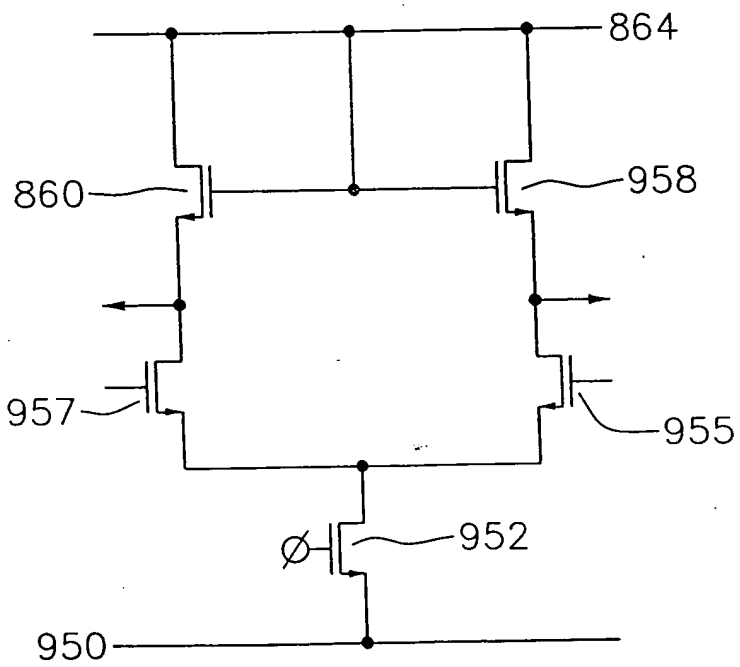

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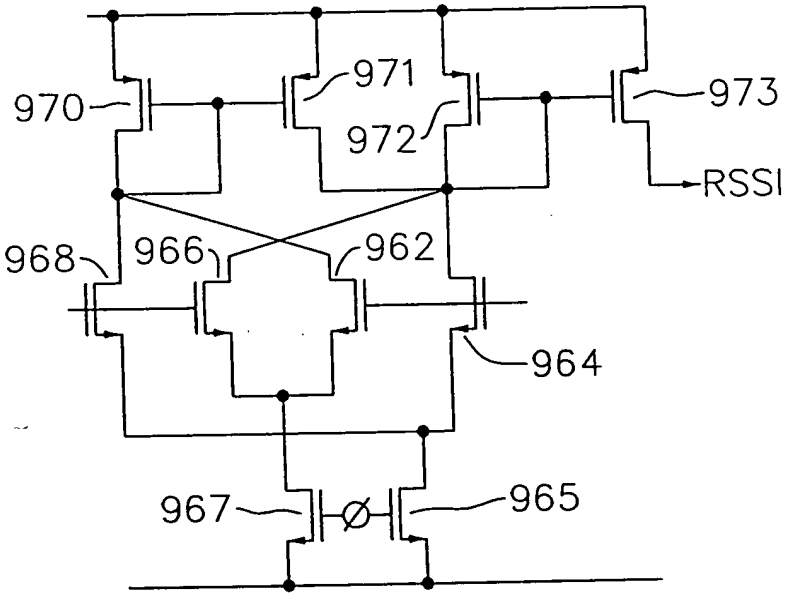
FIG. 16(b)



TITLE: Adaptive Radio Transceiver With Polyphase Calibration
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FIG. 17(a)

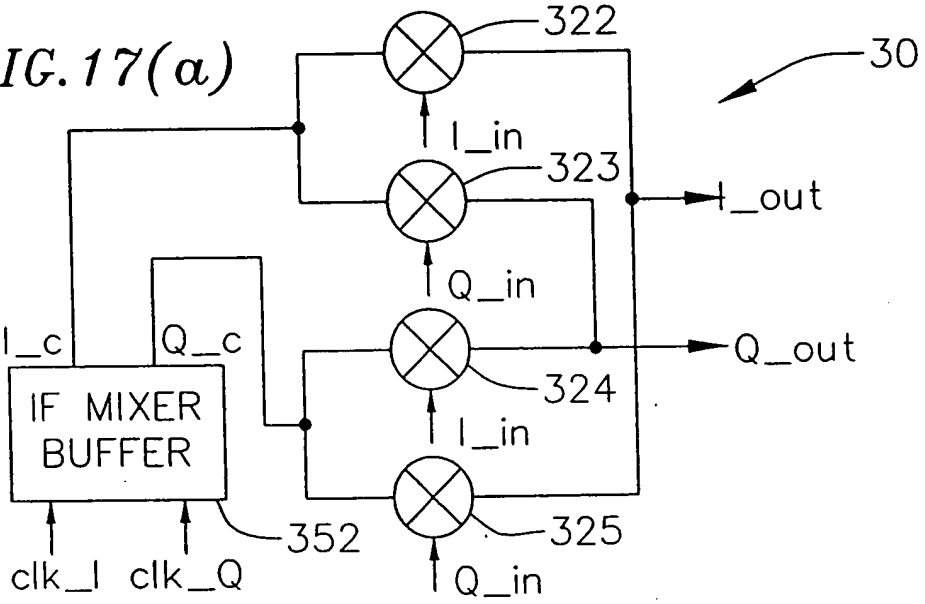
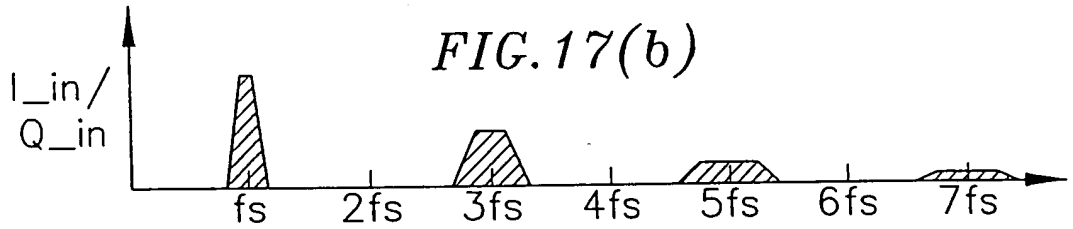
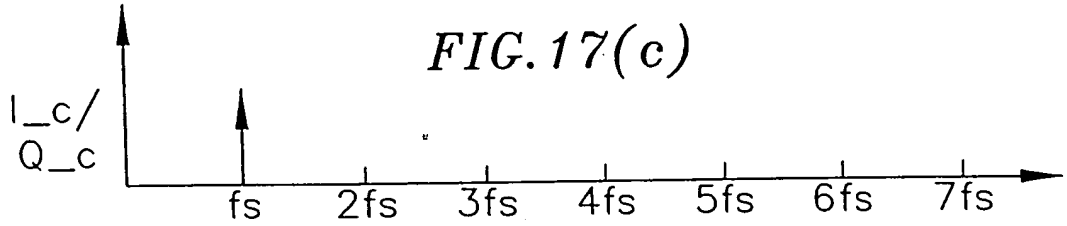


FIG. 17(b)



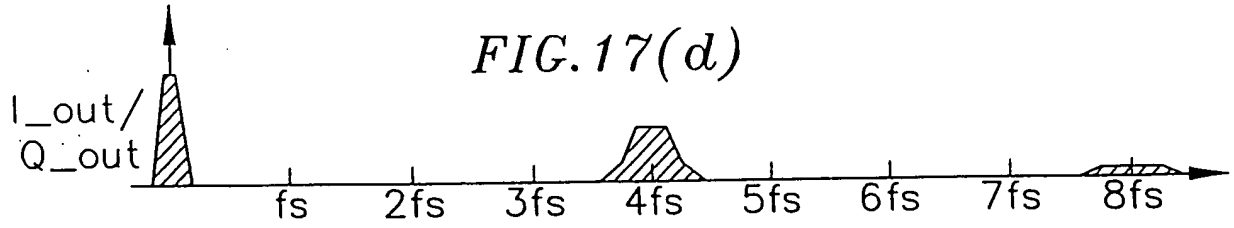
LIMITED IF SIGNAL SPECTRUM

FIG. 17(c)



SINUSOIDAL INPUT SPECTRUM

FIG. 17(d)



IF MIXER OUTPUT SPECTRUM

TITLE: Adaptive Radio Transceiver With Polyphase
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INVENTOR: Stephen Wu et al
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FIG. 18

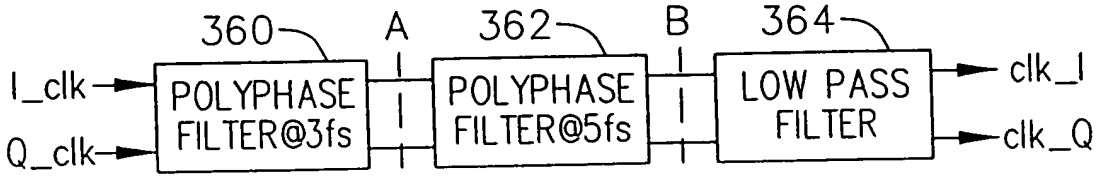
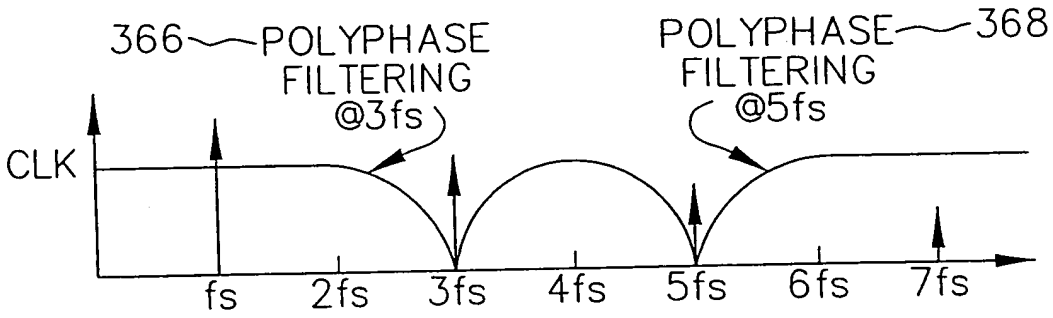
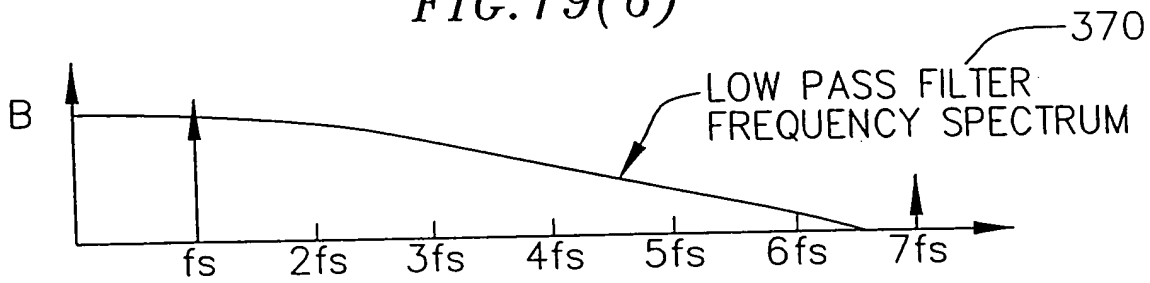


FIG. 19(a)



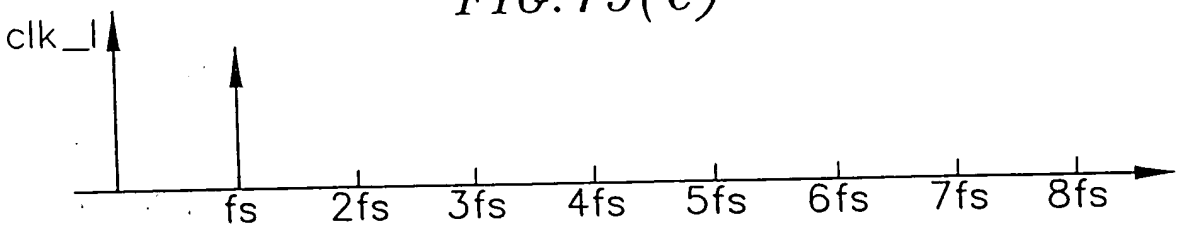
DIFFERENTIAL INPUT CLOCK SIGNAL SPECTRUM

FIG. 19(b)



SIGNAL SPECTRUM AFTER 3fs AND 5fs POLYPHASE

FIG. 19(c)



SINUSOIDAL SIGNAL GENERATION AFTER LOW PASS FILTER

TITLE: Adaptive Radio Transceiver With Polyphase Calibration
INVENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
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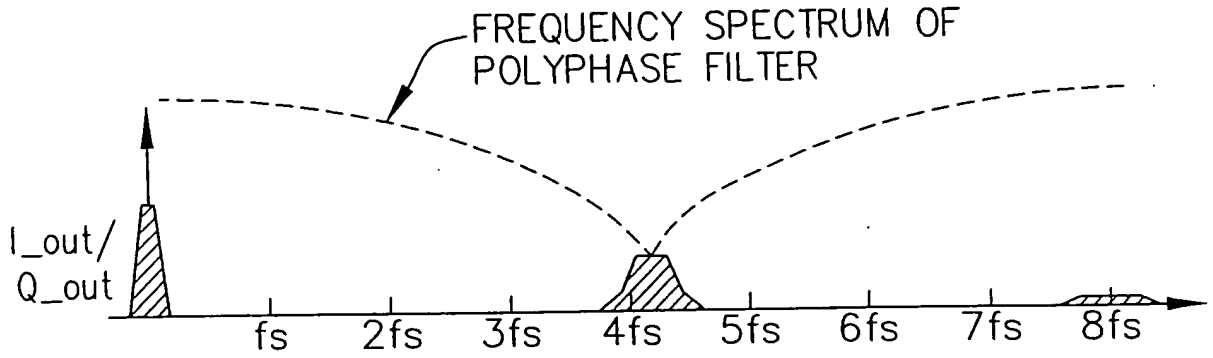
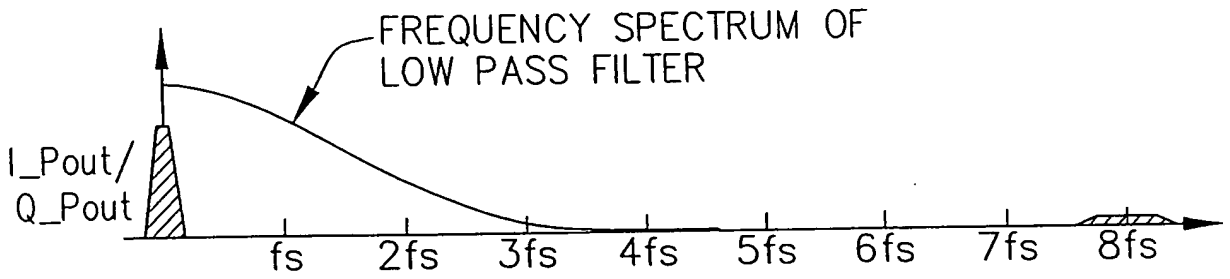
FIG.20(a)



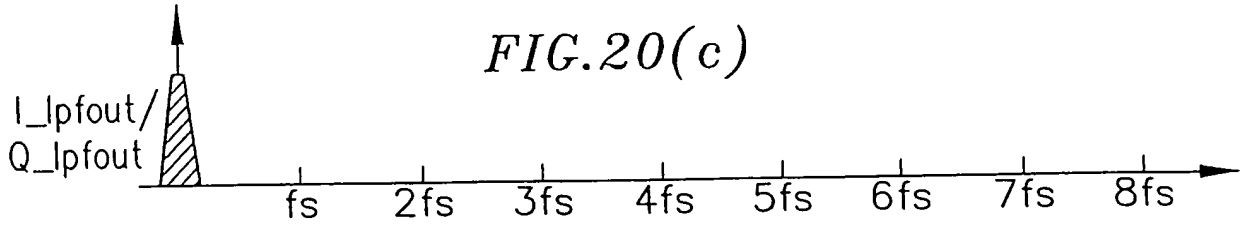
SIGNAL SPECTRUM AT POLYPHASE INPUT

FIG.20(b)



SIGNAL SPECTRUM AT POLYPHASE OUTPUT

FIG.20(c)



SIGNAL SPECTRUM AT LOW PASS FILTER OUTPUT

TITLE: Adaptive Radio Transceiver With Polyphase
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INVENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
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FIG.21

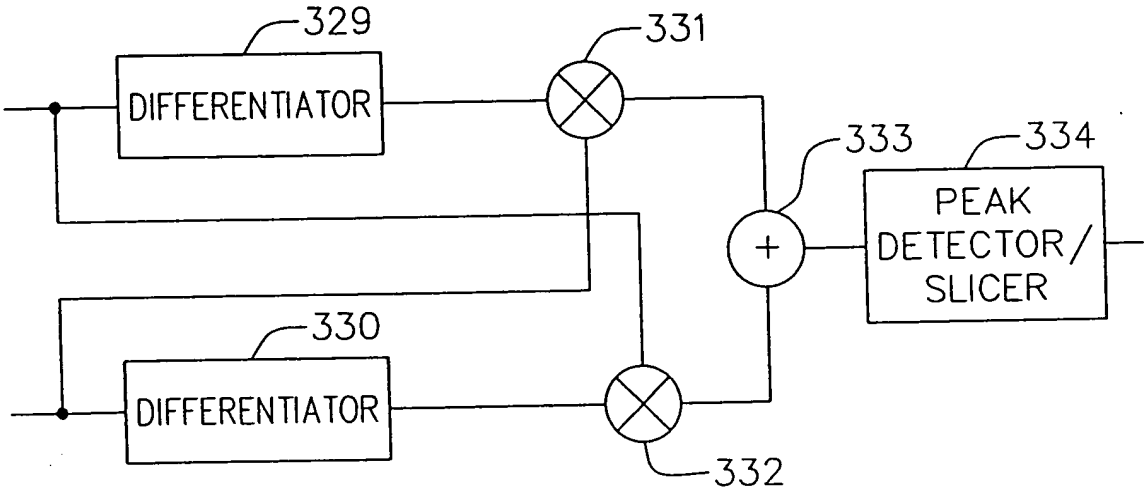
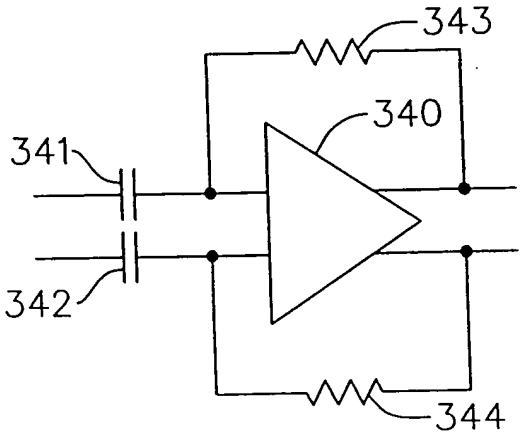


FIG.22



TITLE: Adaptive Radio Transceiver With Polyphase
ibration
VENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654
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ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

FIG.23

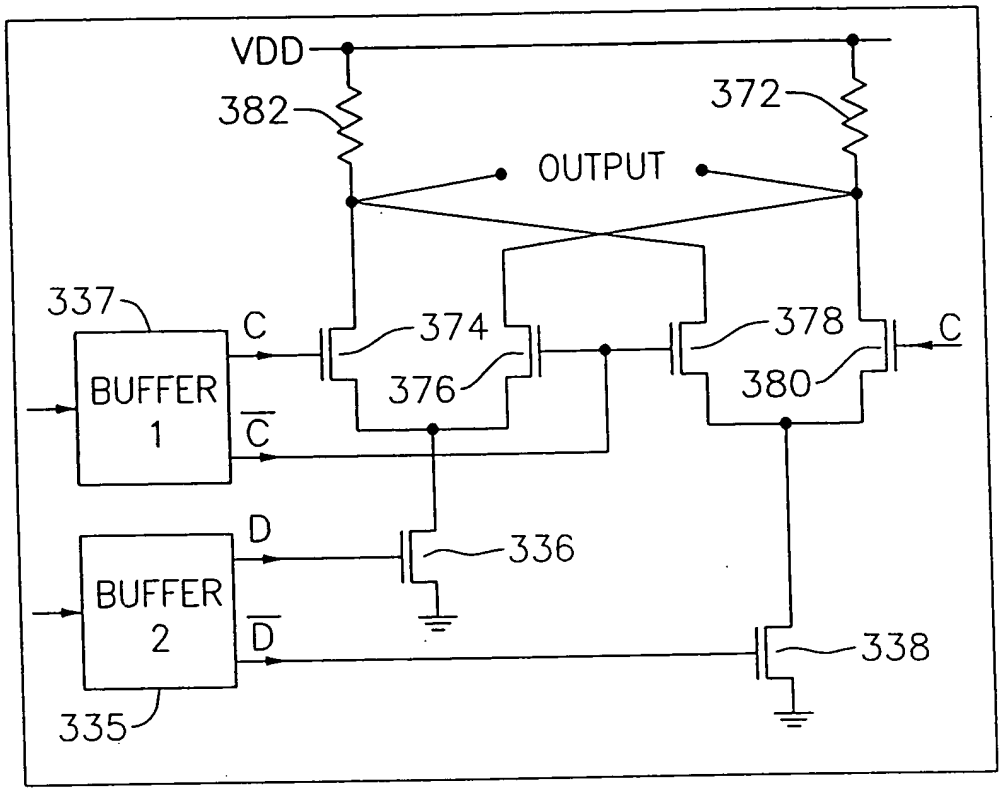
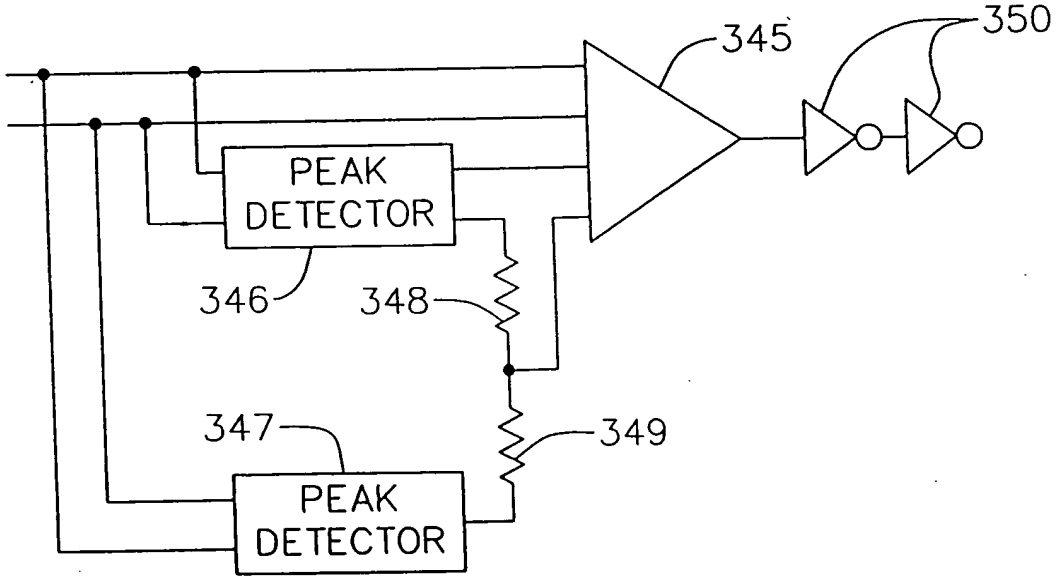


FIG.24



TITLE: Adaptive Radio Transceiver With Polyphase Calibration
INVENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

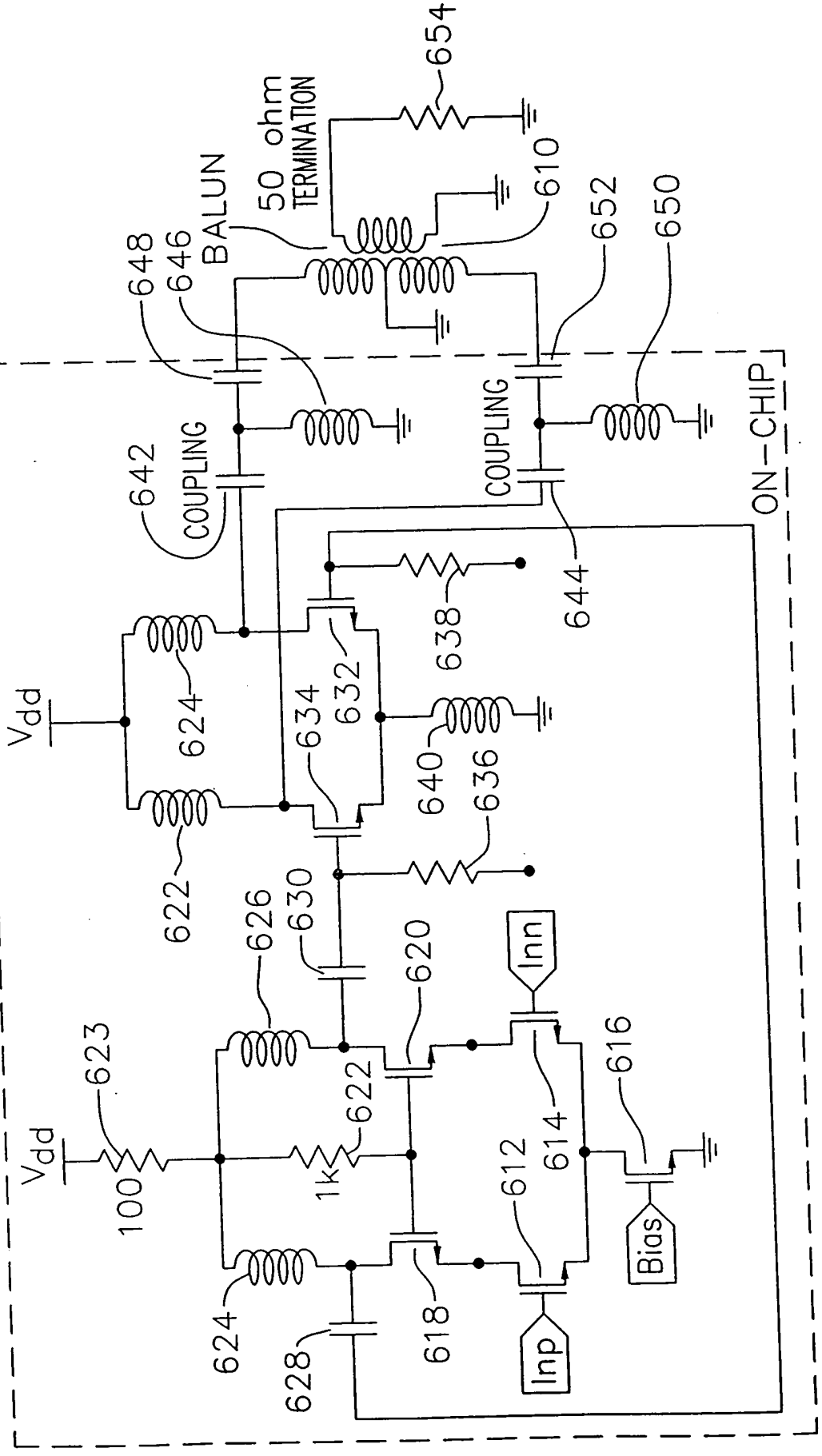


FIG.25

TITLE: Adaptive Radio Transceiver With Polyphase
Calibration
APPLICATION NO.: 09/692,654,
CONF. NO. 7167; DOCKET NO. 15266US01
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FIG.26(a)

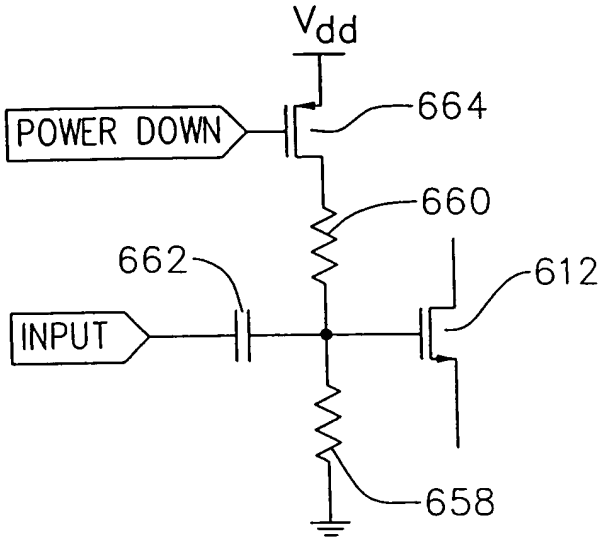


FIG.26(b)

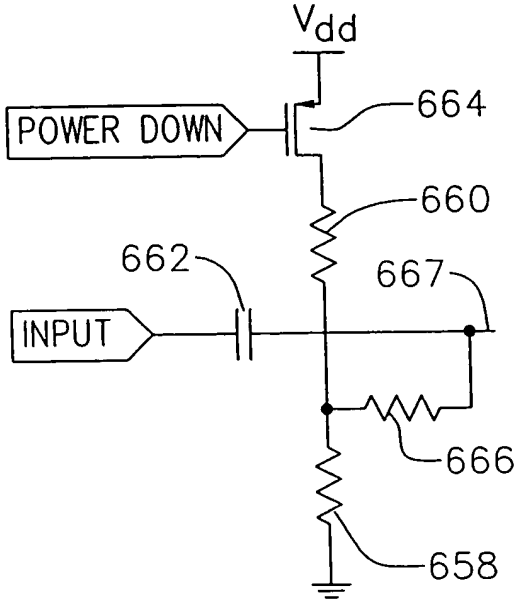


FIG.27

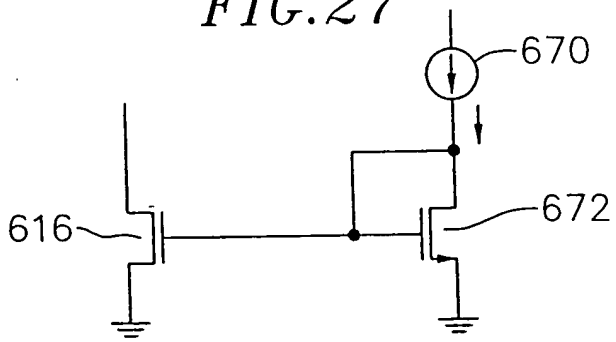
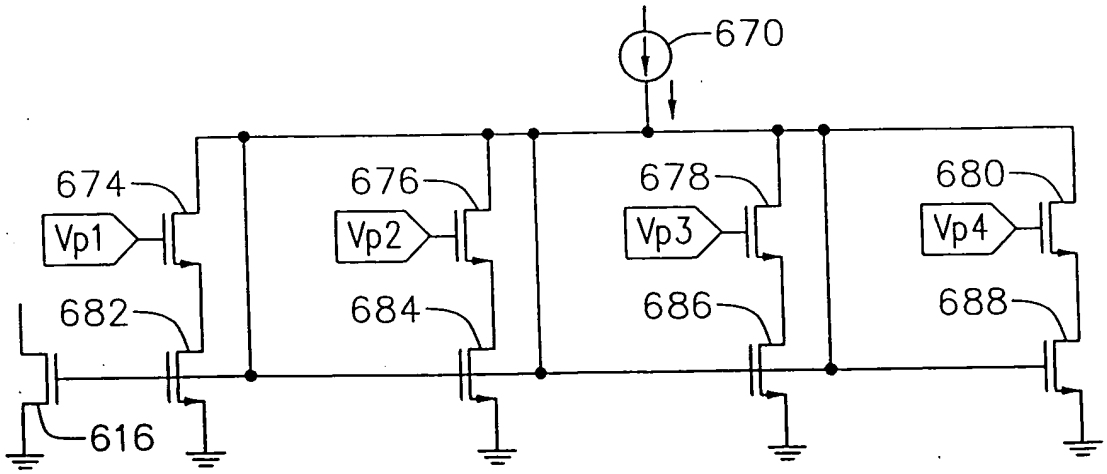


FIG.28



TITLE: Adaptive Radio Transceiver With Polyphase Calibration
INVENTOR: Stephen Wu et al
APPLICATION NO.: 09/692,654,
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FIG.29

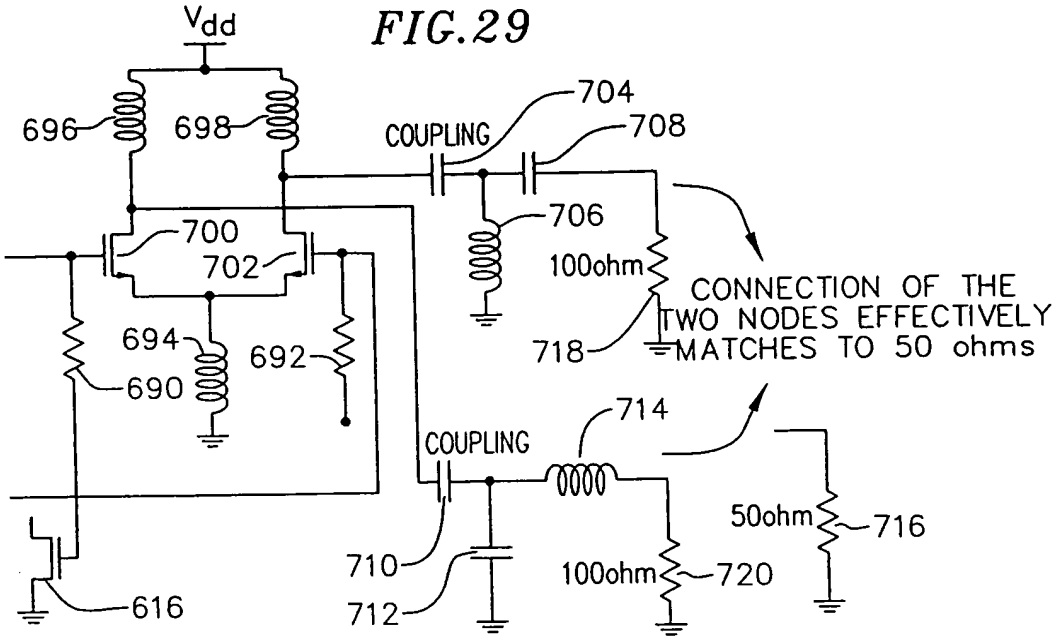

FIG.30

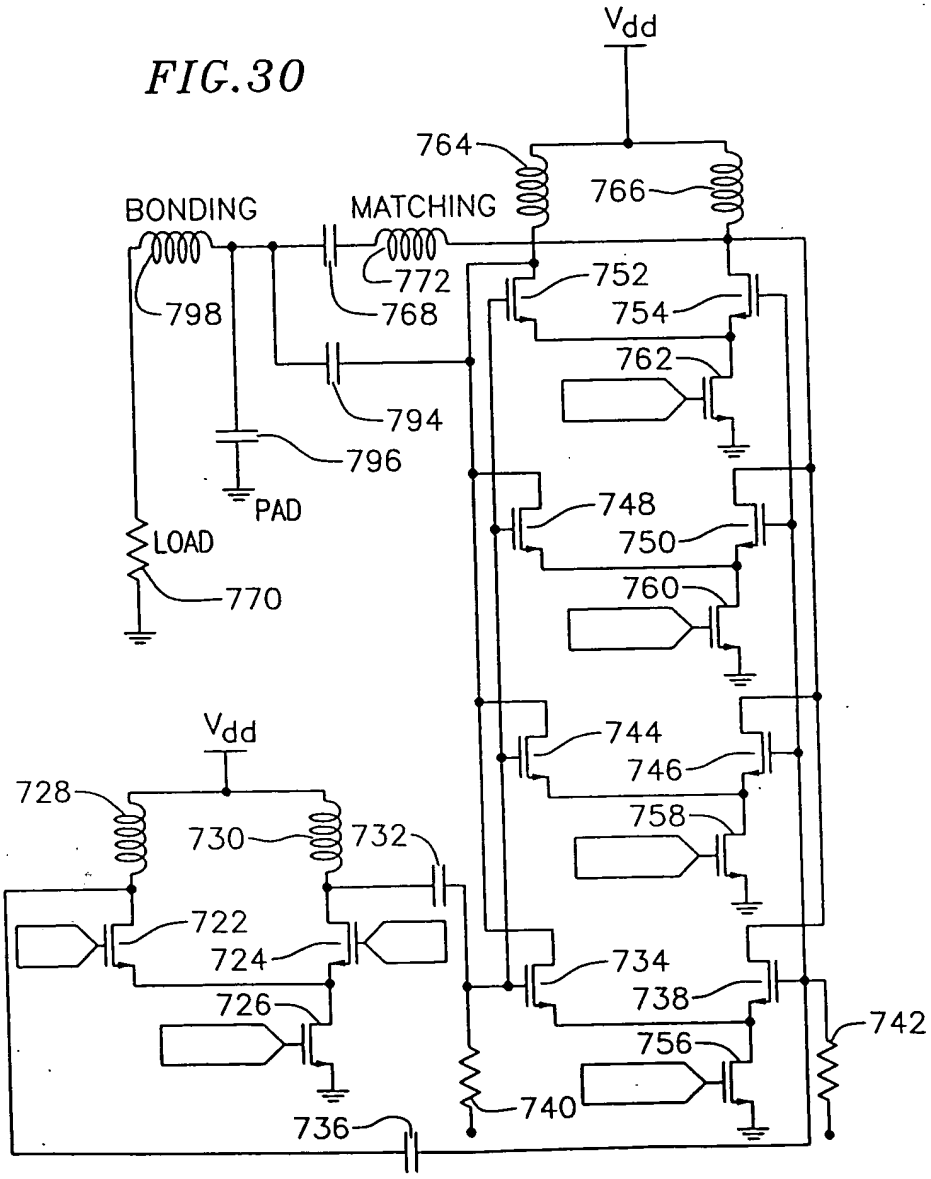

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FIG.31(a)

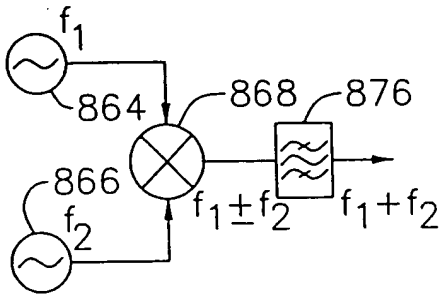


FIG.31(b)

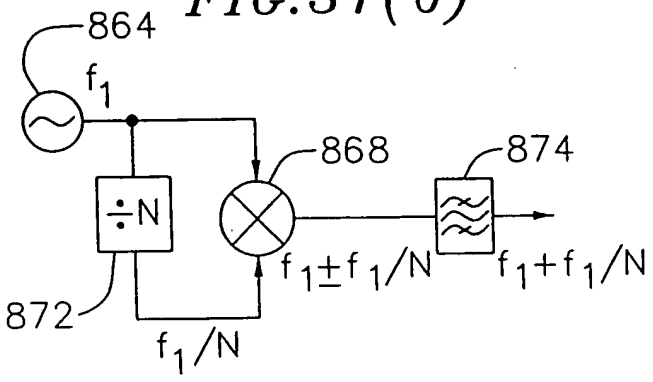


FIG.32

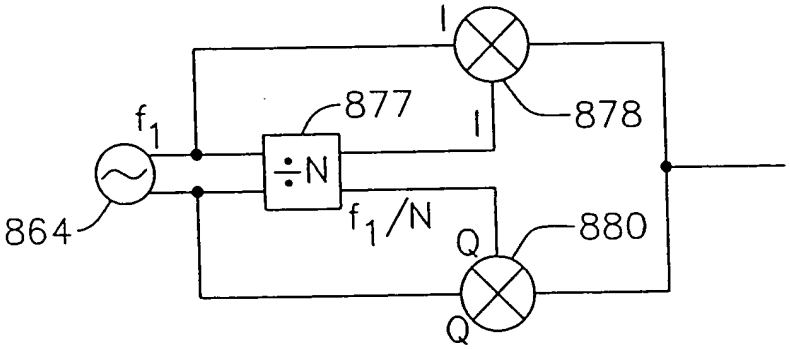
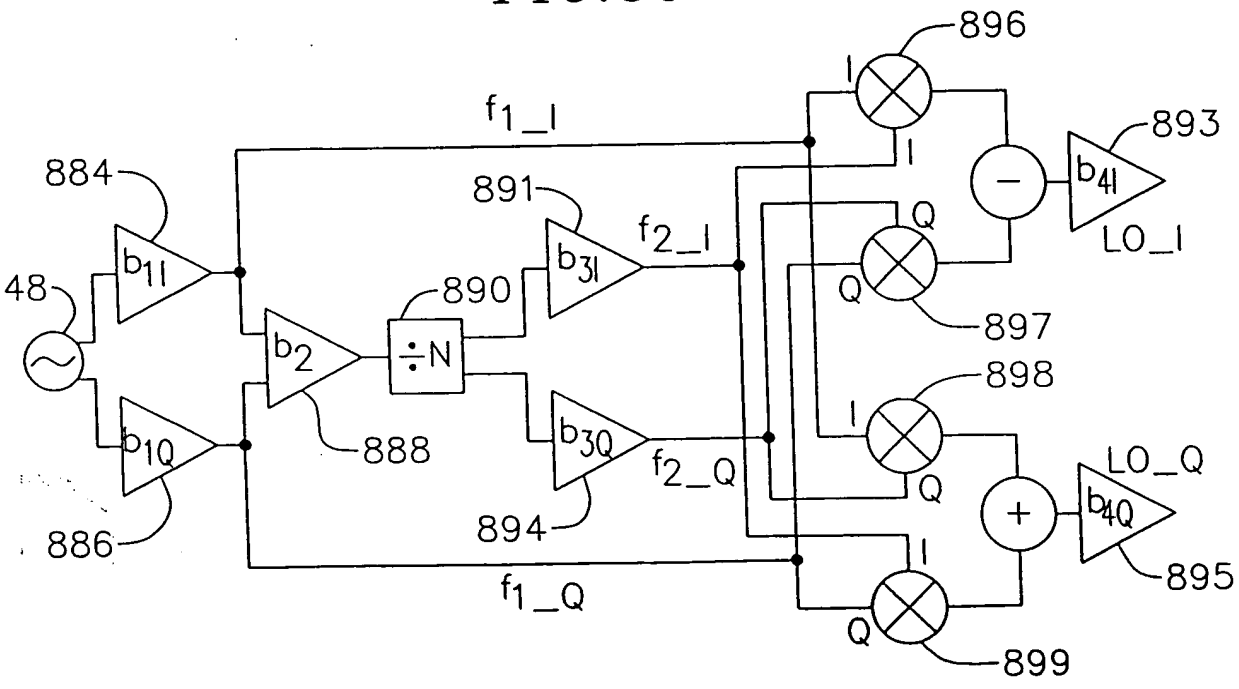


FIG.33



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INVENTOR: Stephen Wu et al
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ATTORNEY: M.T.Cruz, PHONE: 312-775-8000

FIG.33(a)

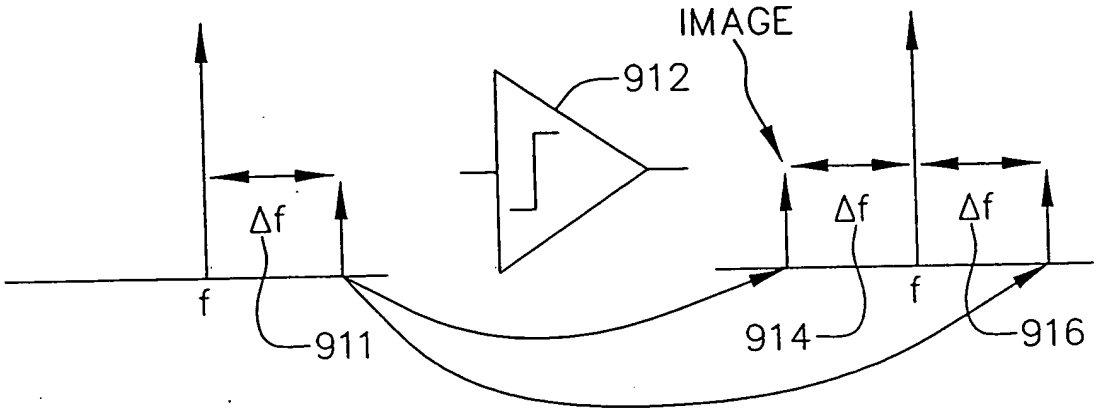
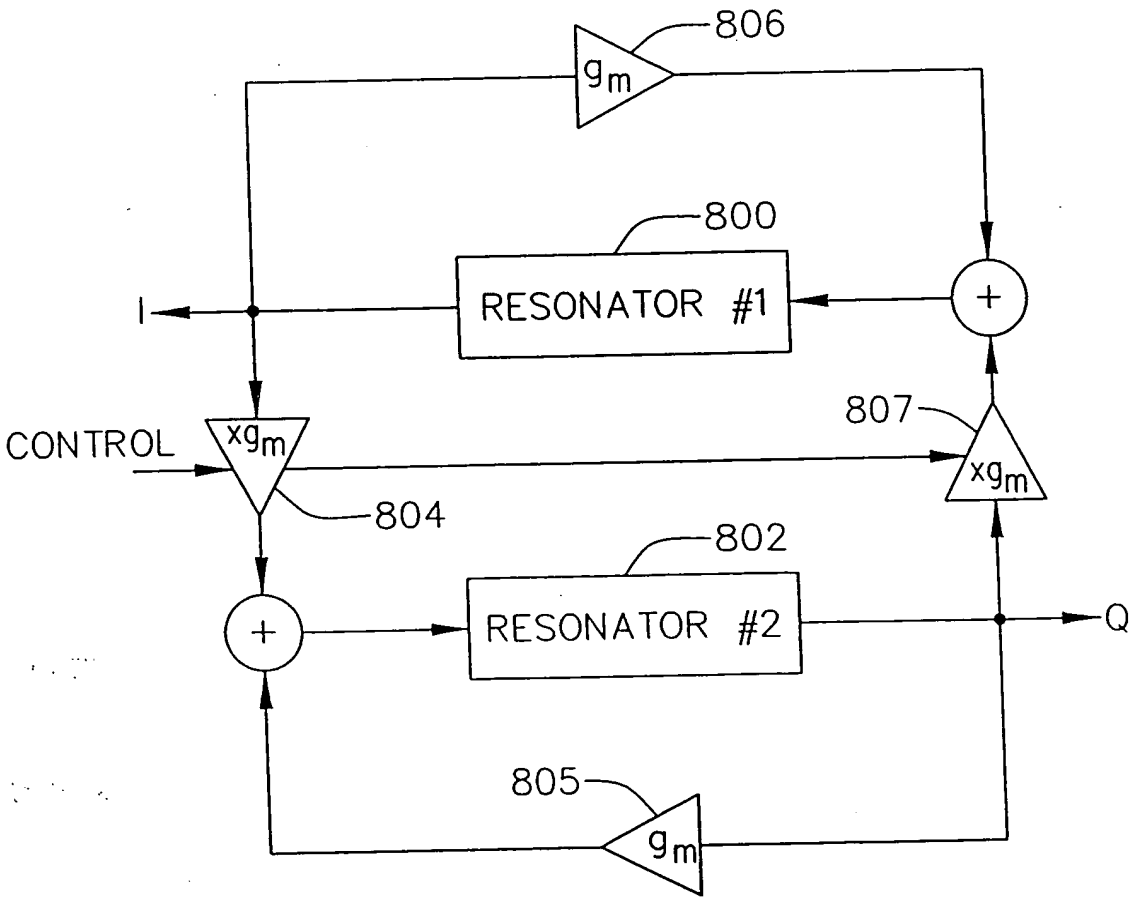


FIG.34



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INVENTOR: Stephen Wu et al
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FIG.35

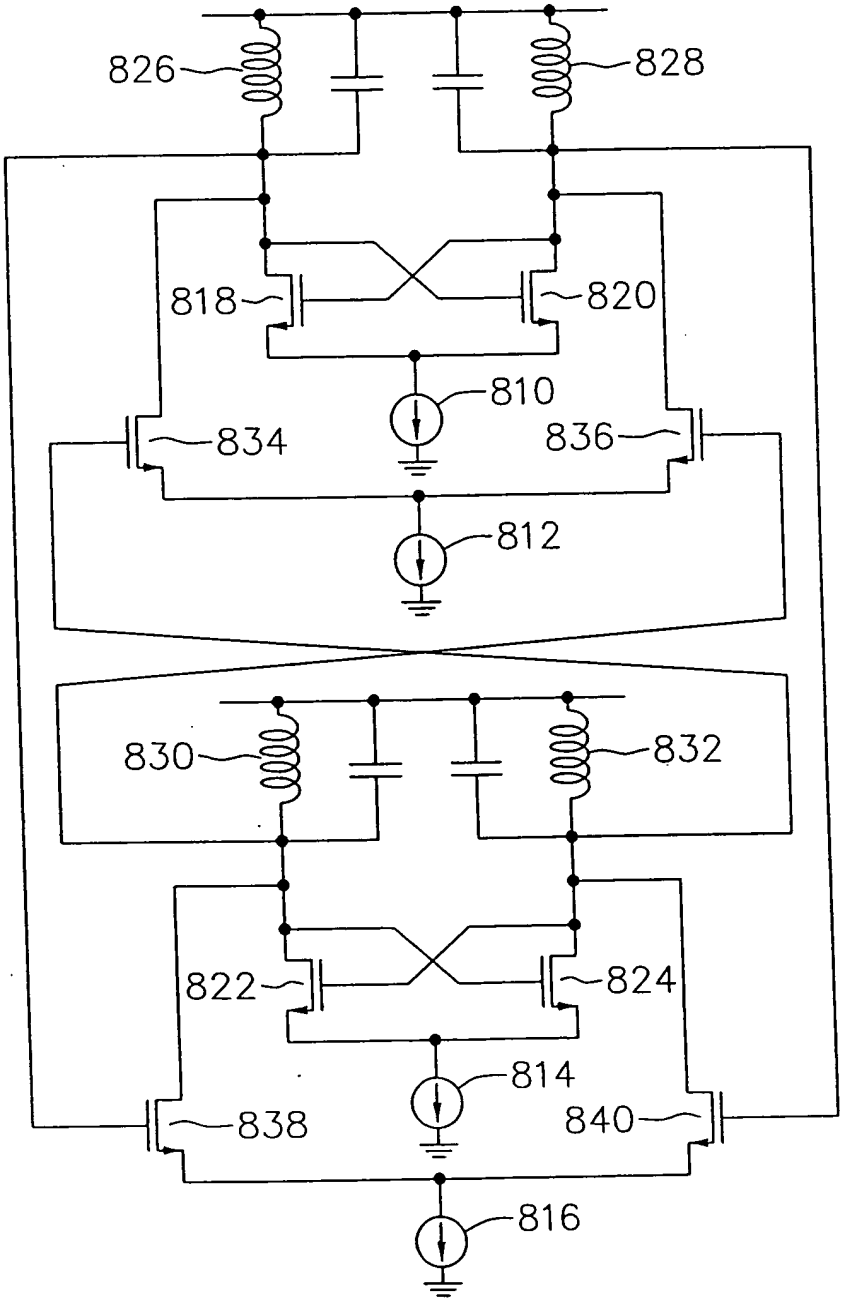

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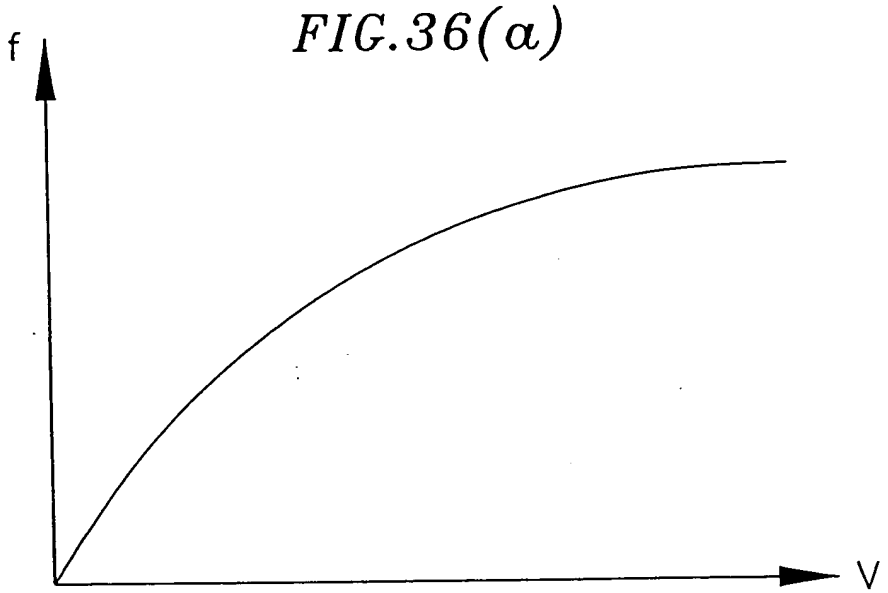
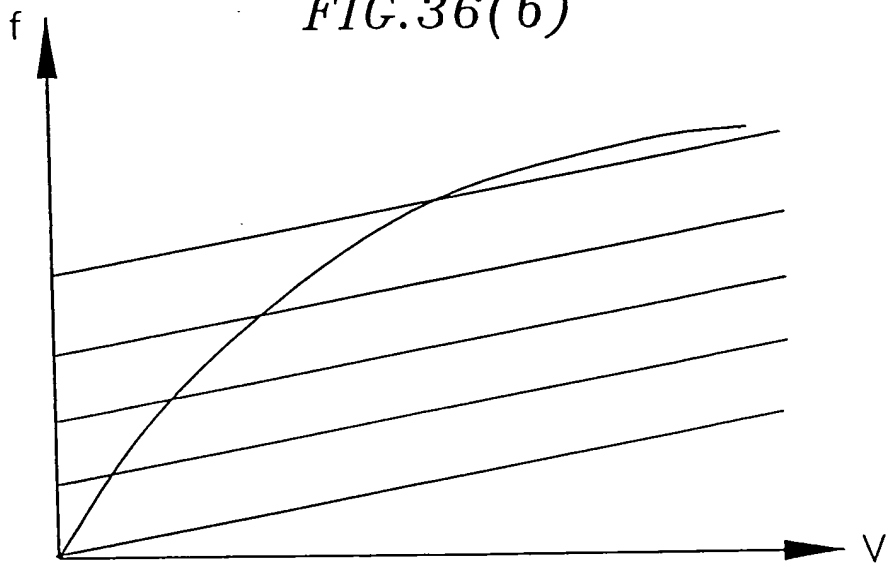
FIG.36(a)



TYPICAL VCO TUNING CURVE

FIG.36(b)



SEGMENTED VCO TUNING CURVE

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FIG.37(a)

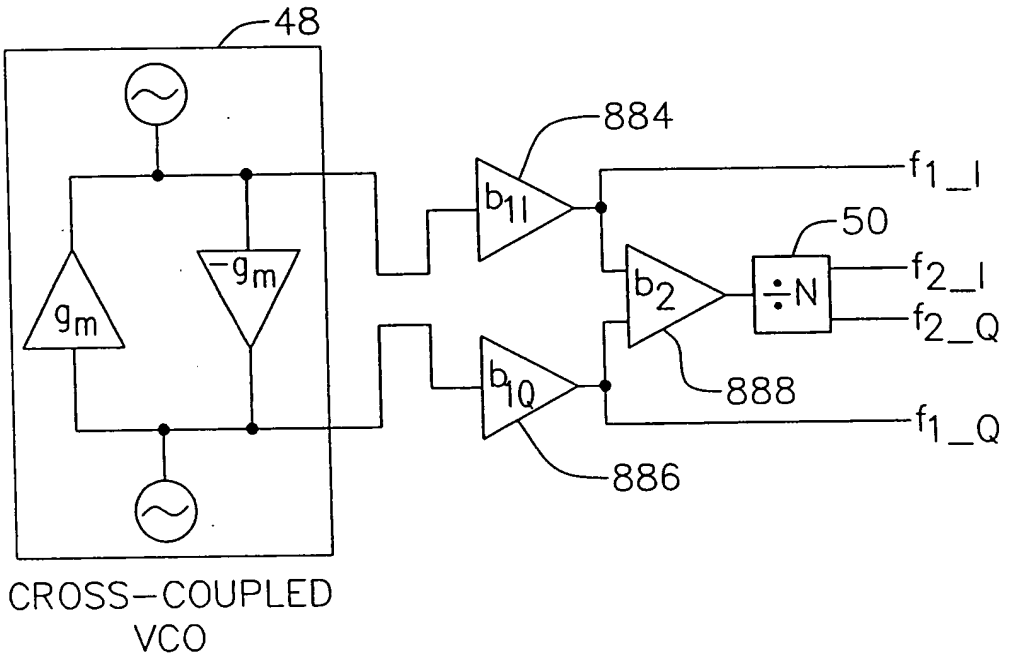

FIG.37(b)

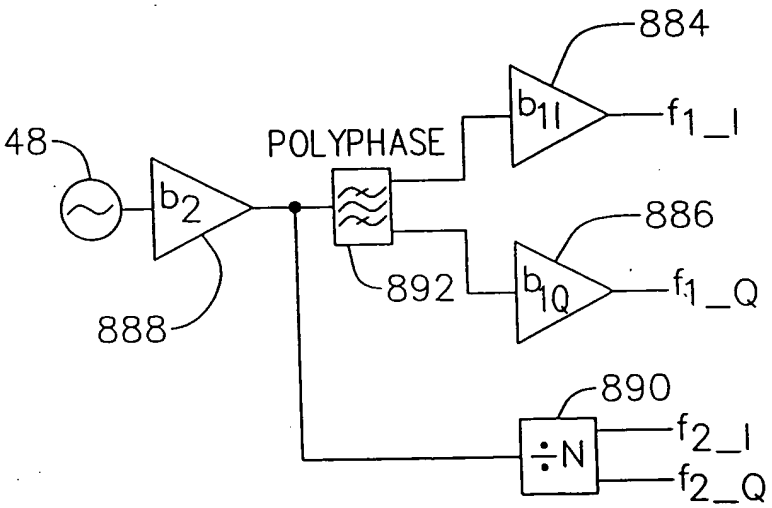

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FIG.38

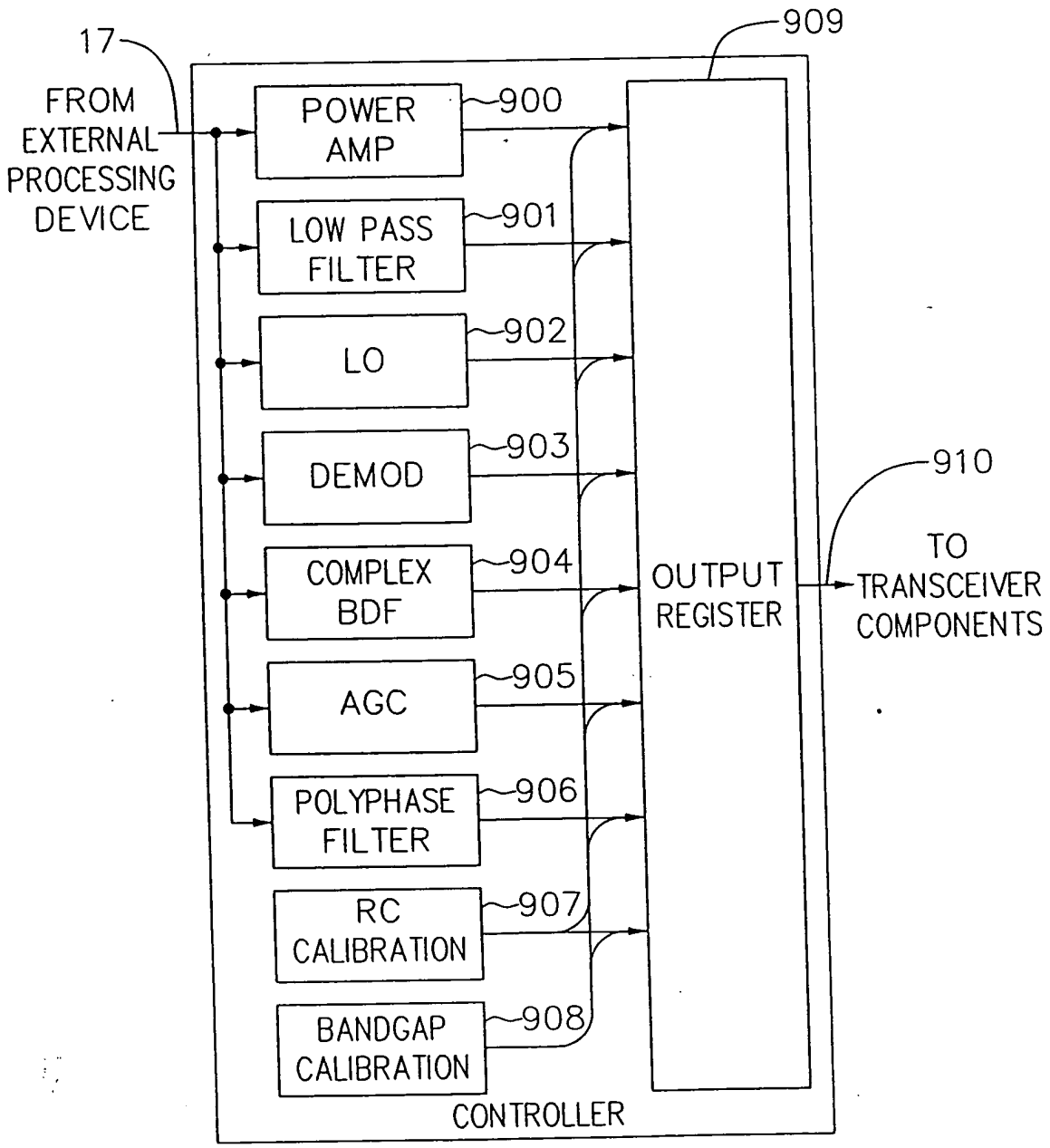

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FIG.39

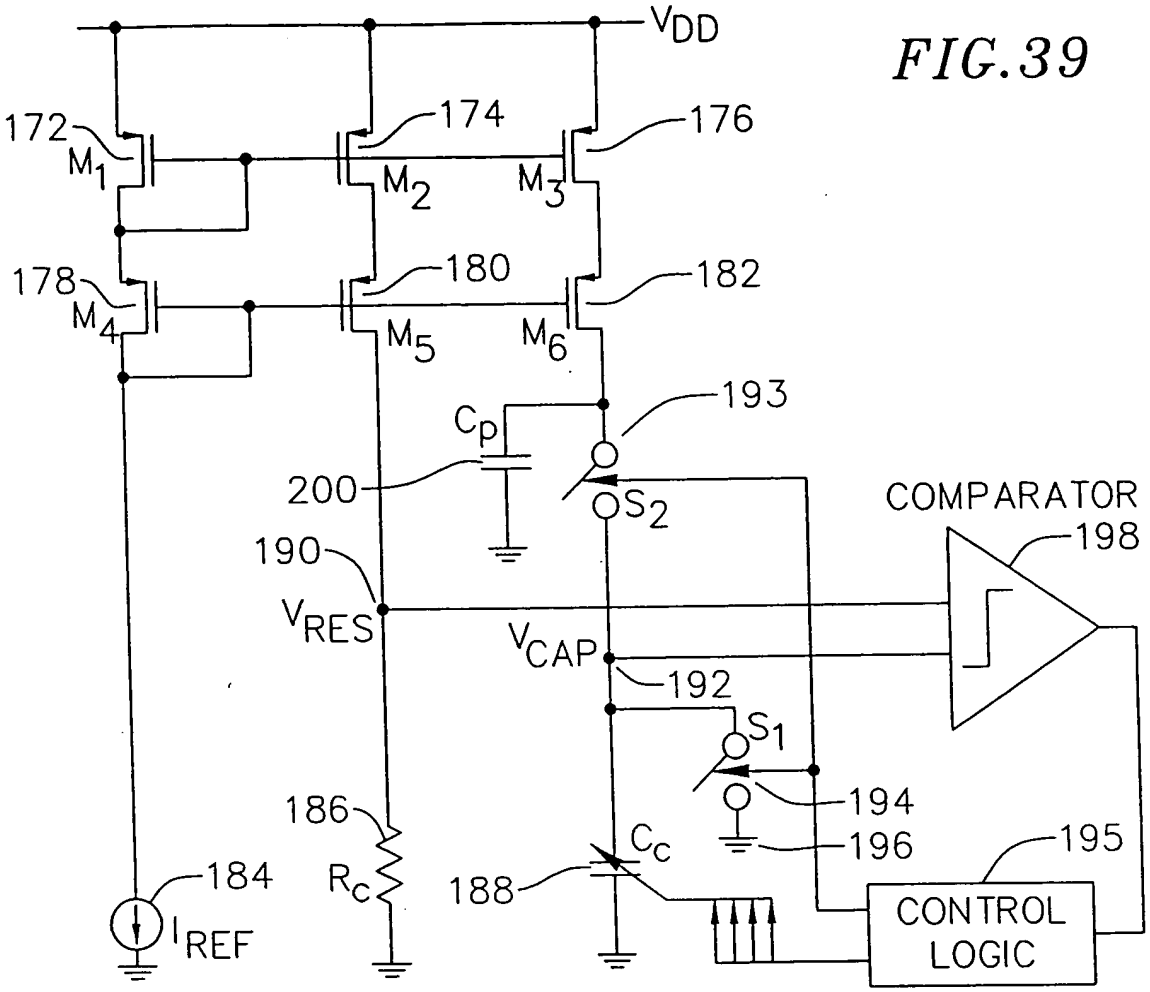

FIG.40

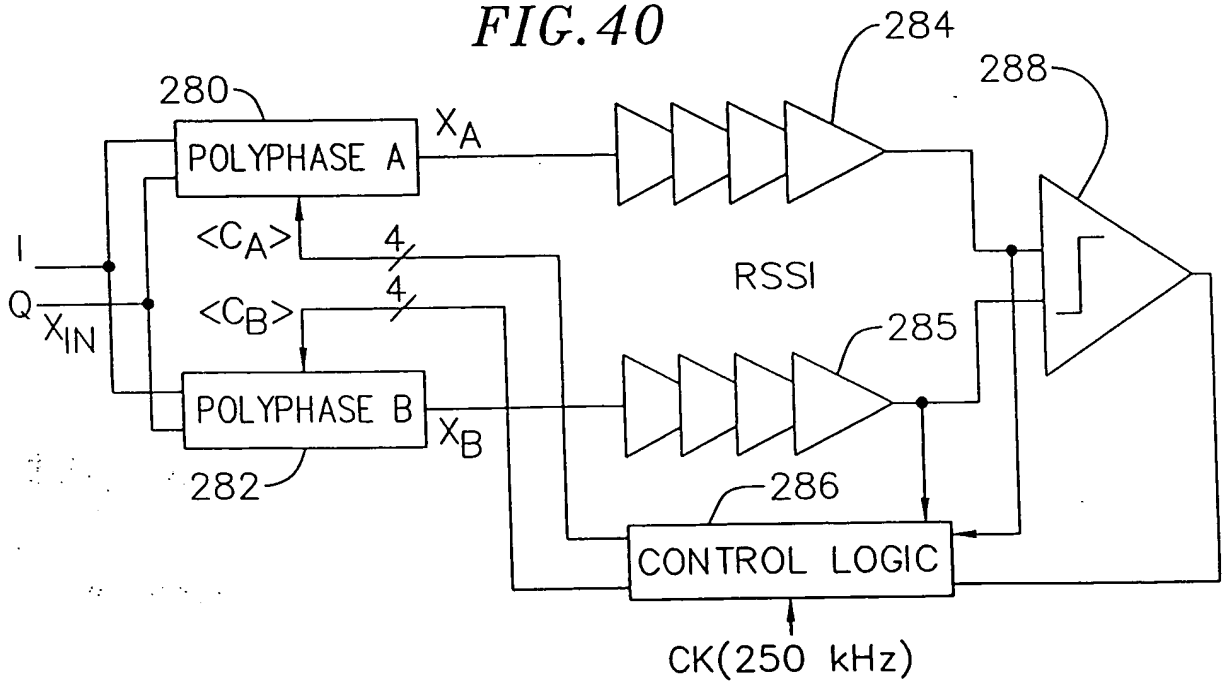

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FIG. 41

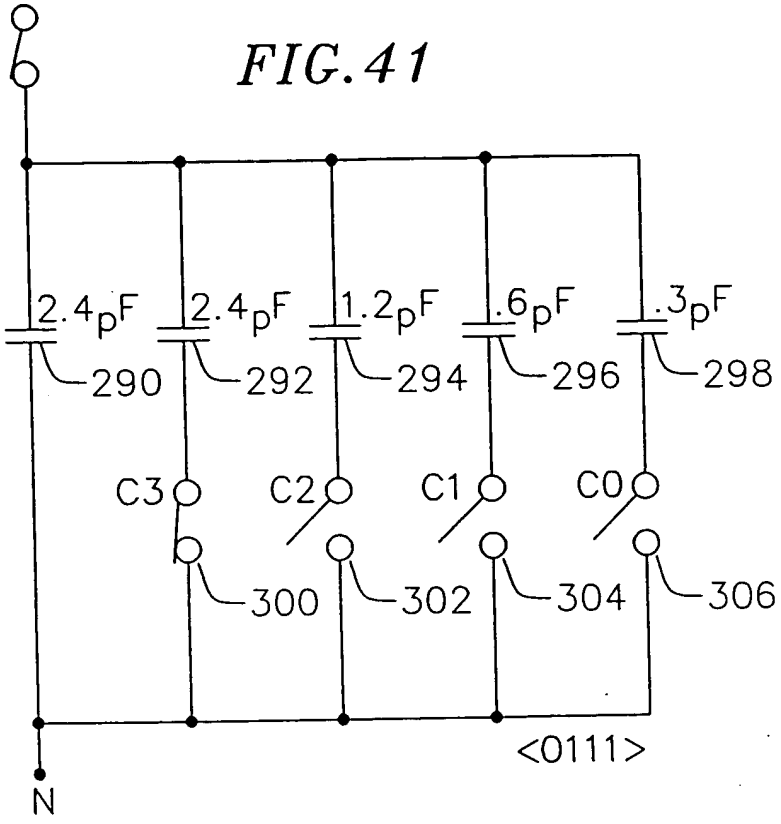

FIG. 42

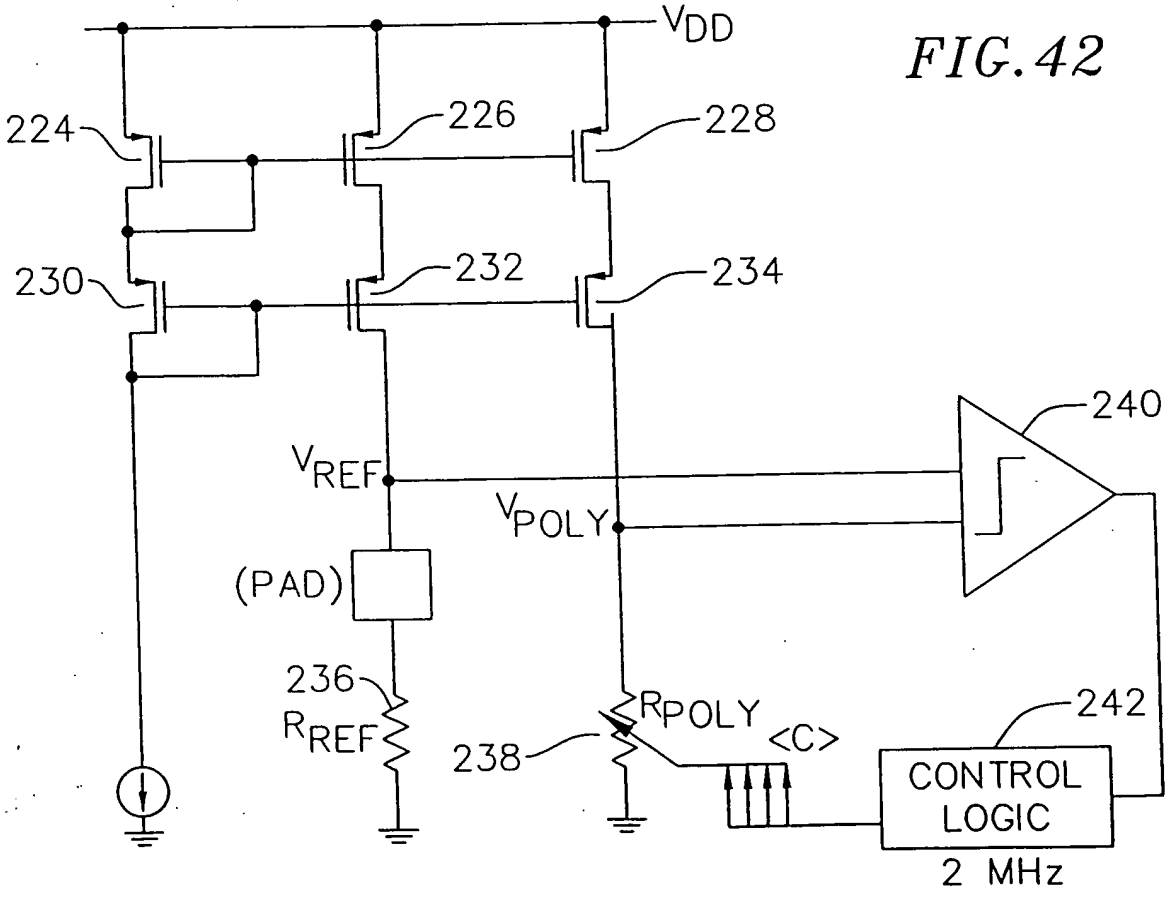

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FIG.43

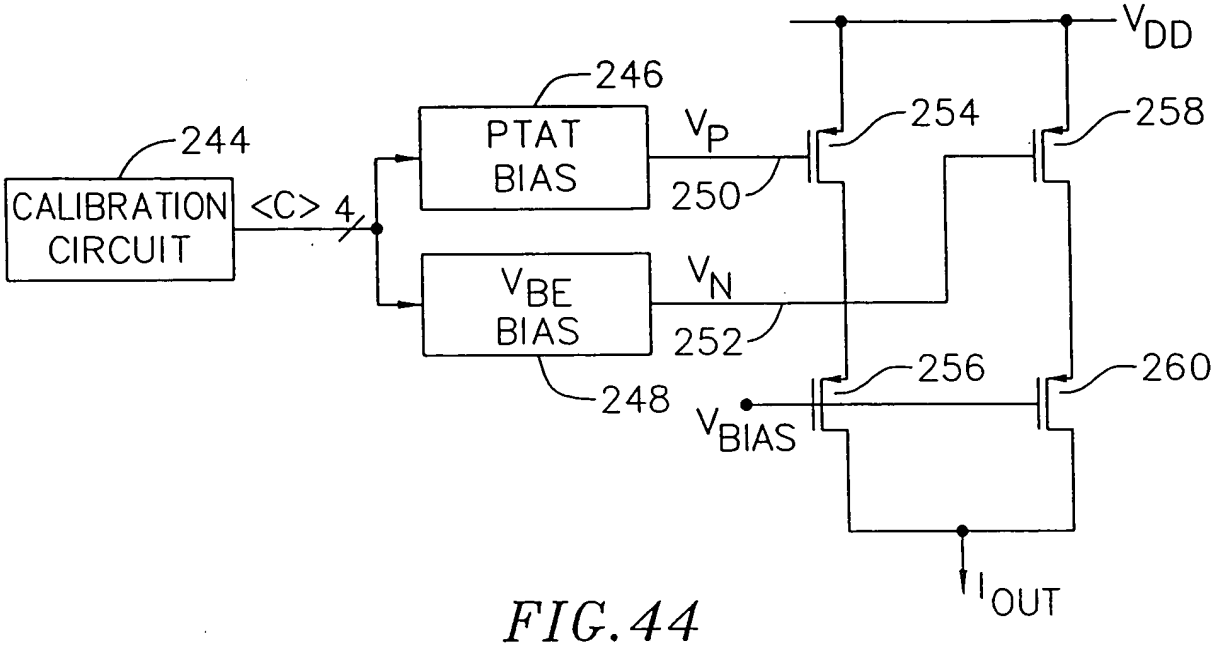

FIG.44

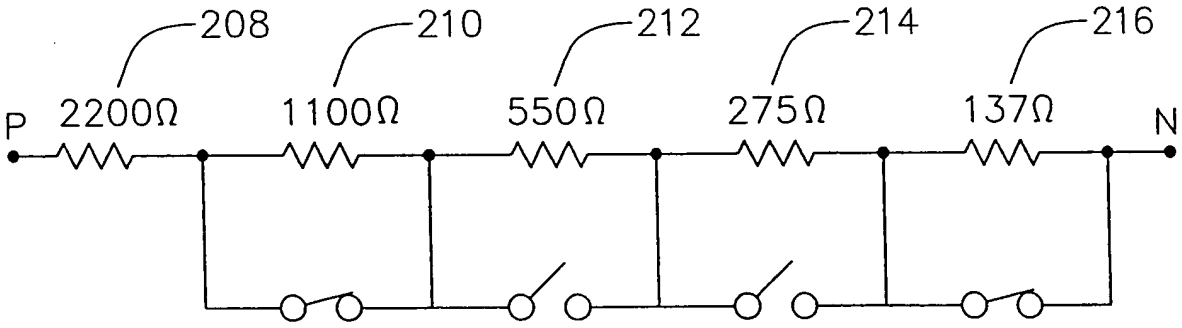

FIG.45

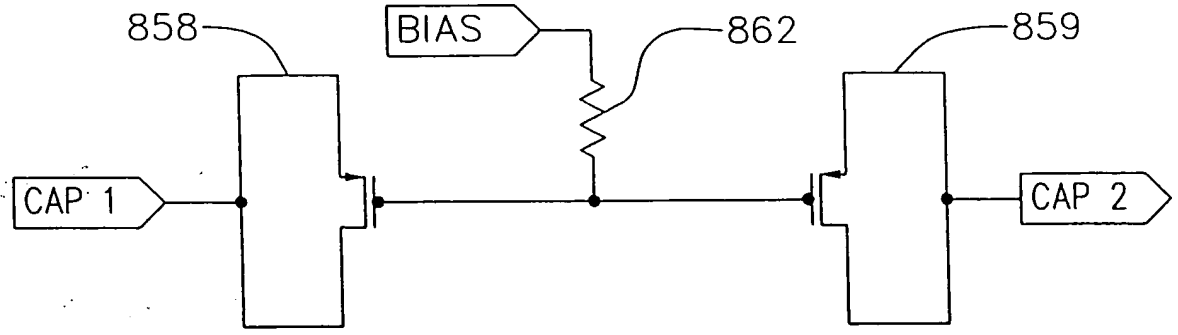

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FIG. 46

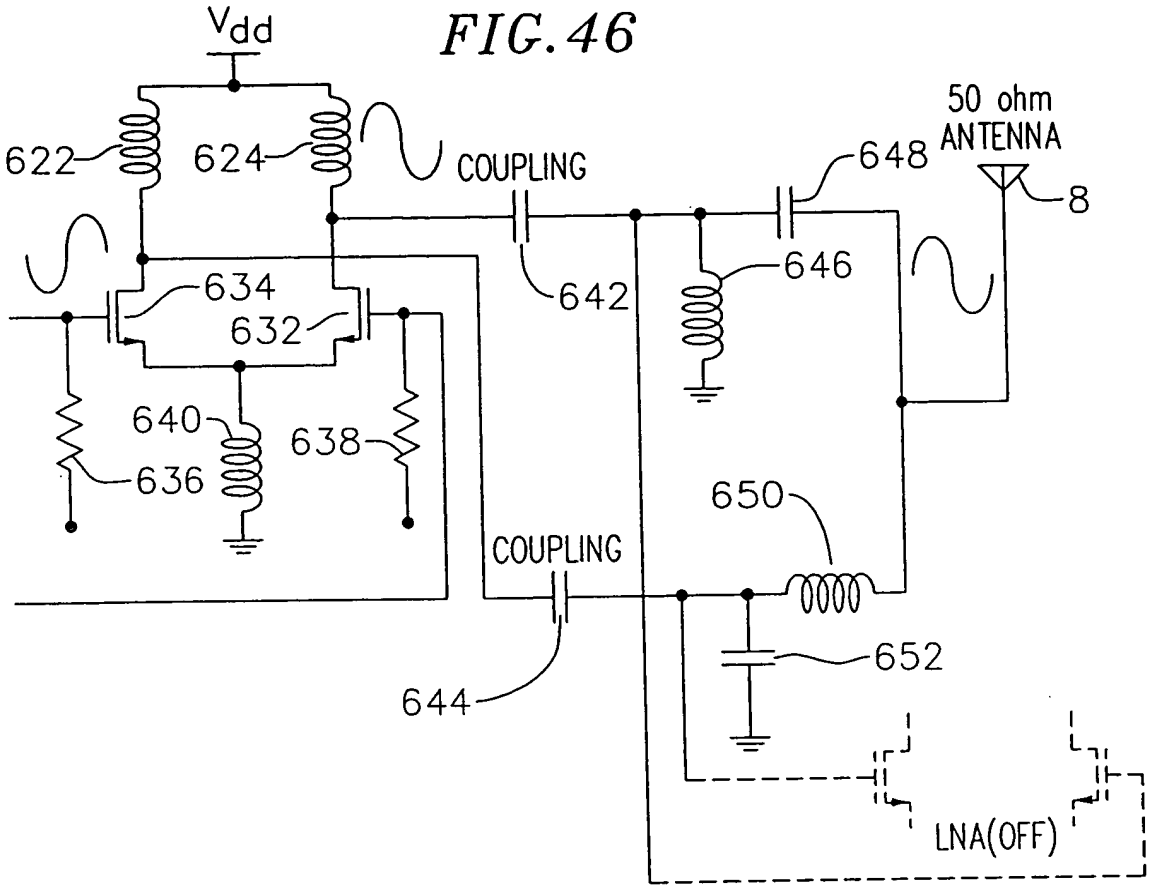

FIG. 47